

Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1999

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WATTS

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WLDR's Powerful Signal

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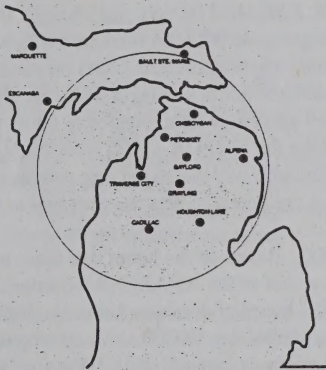
ARE YOU REALLY

Buying a Traverse City based station? Many other stations claim to be based in Traverse City but they're not.

WLDR's transmitter and tower are positioned in Traverse City, thus provide a Central Pinpoint on the Traverse City Area.

WLD R

SUNNY 102 FM



WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

CLUB PROMOTIONAL EFFORT: Jim Thomas of Fort Collins, Colorado has volunteered to head a group of WTFDA members which will focus on club growth. Jim has extensive marketing experience, and others on the committee have similar backgrounds. We will ask Jim to do a report for this column when his plans have advanced past the formative stages. For the moment you might be interested to know that among things they're looking into is updating and re-issuing the WTFDA TV STATION GUIDE which hasn't been available for about 15 years. Their mission will include giving current members extra impetus to stay in WTFDA, while seeking out potential new members by utilizing a variety of approaches.

ANARC: Based on the belief that there is strength in numbers, WTFDA has decided to continue as a member of the ANARC (Association of North American Radio Clubs) for another year. The ANARC board of directors has indicated a willingness to work with Jim Thomas' group in the area of publicizing WTFDA. In coming to the decision to remain a part of the 'umbrella' organization, our own board of directors agreed that at the end of 1999 we will carefully review our relationship with ANARC. If, at that time, we feel there has been insufficient benefit to justify continued involvement, we will probably not renew the affiliation.

1999 CONVENTION: With any kind of luck we will be able to announce the location and dates of this year's convention next month. To bring you up to date, we had a host and site locked in until illness forced him to withdraw the bid. Another volunteer inquired but decided to hold off until sometime in the future. As this newsletter is compiled, yet another member is giving serious consideration to hosting our group on July 30 and 31, and August 1. Should this materialize it will mean travelling to one of the continent's hottest dx areas. Clue...it's not in Mexico! No other hints at this time.

FINANCIAL REPORT: Elsewhere in this issue of your VUD you'll find a report from our Comptroller Dave Janowiak. The bottom line is that the club is in good financial condition. That bit of news means that in spite of the recent increase in postal rates, our membership fees won't have to be raised anytime soon; and that funds will be available for promotional efforts. Although nothing has been firmed up, there has been discussion of buying ad space in publications targeted at readers who share hobby interests similar to ours but may not be aware of WTFDA.



WTFDA MAILBOX

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IT'S ALMOST SPRING!

And with a little luck it's no longer snowing in Buffalo. And, once again, we thank the following people for staying with the WTFDA: Roger Sabella, Robert Fischer, Giovanni Bellabarba, Pete Oprisko, Scott Hood, Charles Burnham, Jim Pizzi Albert Gordon, Brian Farnsworth, Gary Olsen, Dan Dankert, Dan Cashin, Joe Perge, Paul Hansen and Dave Nieman. Also rejoining is Joe Fritz from Scarborough, ON. Welcome back, Joe. On the society page: Fernando Garcia and his wife are the proud parents of a son, Christian, born Dec 27th, and Jeff Kadet headed out for a three week vacation to Nepal. Gee, Jeff...if you wanted snow you could have gone to Buffalo. And by the way, are there any good Mexican restaurants in Kathmandu? David Shapiro in GA checks in to let everyone know his email address is davidjanis@accessunited.com. Neil Kazaross posts on the qth.net email server that he was an antenna design engineer from 1981-1991, doing many antenna experiments and mods. Maybe we can prod him into writing some antenna articles. He and member Ed Hanlon (Mr. Antenna Performance) could collaborate. These two guys *know* their antennas.

FCC APPROVES NPRM FOR LPFM. An article in the rec.radio.broadcasting newsgroup tells us that the FCC has on Feb3rd established a Notice of Proposed Rulemaking to establish a legalized LPFM service. It's a two tiered service at this point. There are three classes of stations: 1. LP-1000 with a power output (ERP) of 1,000 watts and a protected contour of approx. 9 miles. This service would be primary. 2. LP-100 with a power output (ERP) of 100 watts and a protected contour of approx. 3.5 miles. This service would also be primary. 3. A micro-class with a power of 1-10 watts and a protected contour of 1-2 miles was floated as a possibility, but was not yet included with the NPRM. This service would be a secondary. In addition, there will be restrictions against existing broadcast owners from owning or operating an LPFM station and decisions about allowing former illegal broadcasters (pirates) to receive licenses for LPFM. Developing.....

DON'T CRY FOR ME, ARGENTINA. The truth is, we're learning about you. We received an email from one Jorge Aloy, who lives in La Plata, Argentina. Jorge is the chairman of the only DX/SWL club in the country that publishes a bulletin (Conexion GRP). Jorge said there are not many Dxers in his country. He said there are so many people there who are poor that "to think in "hobby" is so bizarre here." The name of their club is *Grupo Radioescucha Platense* and includes SWL, tropical bands, pirates, SW, UTTY, TV and FM. There are very few TV and FM Dxers in Argentina; in fact, Jorge thinks he's the only TV Dyer in the country. Jorge hopes to be Dxing soon with a 24 element log periodic antenna about 25' above his roof, although he will have to turn it manually. Rotors are expensive and at this time Jorge is unemployed (he is a journalist).

La Plata is a city of about 700,000 located east of Buenos Aires. The city has about 40 FM stations, many close to him. About 15-30 miles west of La Plata begins Greater Buenos Aires, a magalopolis of 13,000,000 people and perhaps 400-500 FM stations. Many are low power with low antennas, but 10%-20% are "real" stations with high power and high towers. Also there are the pirate stations and the free low power stations. Jorge said it's next to impossible to find an empty channel, but he is determined to make the best of the situation.

In the days before the band became crowded with stations(1985-90) Jorge was able to catch Es from Puerto Rico and Venezuela (CH3 Venevisión). One of his DX friends in Cordoba province caught Es from Trinidad and Tobago. And in this year, January 1999, a Dyer who happened to be in Lages, Brazil (900 meters elevation), received FM Es from Trinidad and Tobago, WEUC-88.9 Puerto Rico, ICS-89.7 Martinique, WIPR-91.3 San Juan as well as many more from that area. Lages is in extreme southern Brazil.

Jorge would like help with building home-brew antennas, etc. and would be willing to trade you some interesting items for your help. His address is Mr. Jorge Aloy, Grupo Radioescucha Platense, P.O. Box 465, 1900 La Plata, Argentina. The email address is jaloy@cefex.com.

QUICK AND EASY IRC. Look on your hard drive. Find Microsoft Chat. It's probably already there. Click on it. When the dialog box appears type in a server: irc.webbnet.net or irc.stealth.net. Type in the channel: #wtfdxa. Immediately the chat screen appears. If you have connected successfully you will see a message on the bottom of your chat screen that says: connected to server irc.webbnet.net on channel #wtfdxa. On the right side of the screen are the names of everyone else on the channel. Since Microsoft Chat has this feature called *Cartoon Mode*, you might want to disable it by cursoring to VIEW, then click on PLAIN TEXT. Now, sit back and enjoy yourself! Move your cursor around the toolbar. If you are not familiar with some of the terms used, ask us. You will see your cursor down on the bottom of the chat screen in the text enter area. Type "hello". We'll say "hi". And from there on, it's all downhill.

THE MAP OF CANADA CHANGES. Bill Hepburn, posting on the amfmtdvx list, writes that on April 1st, the map of Canada will change for the first time since Newfoundland and Labrador joined in 1949. Canada will add one more political unit...going from 10 provinces and 2 territories to 10 provinces and 3 territories.. This will give Dxers another political unit to try for. The new territory of Nunavut will be carved out of the Northwest Territories. Nunavut will be larger than what will be left of the Northwest Territories covering one fifth of Canada with 2 million square kilometers of land.

The capital of Nunavut will be Iqaluit (population 4,500) which was called Frobisher Bay prior to 1987. Total population of Nunavut is 27,000 compared to 40,000 in the new smaller NWT. This vast territory has only 20 km of highway! The 20km runs between the hamlets of Arctic Bay and Nanisivik. There are no other highways. If you want to get away from it all, this could be the place.

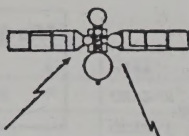
DX SEASON "DOWN UNDER" A BUST? I was talking on the internet to Ian Baxter from Sydney, Australia about the results of his winter Es season. He had one tropo opening into New Zealand, but Es was a different story. Ian said this Es season was the worst he has encountered to date. He has a friend in Melbourne who said it was the worst season since 1987 (11 years). Is this a preview of our upcoming Es season? I hope not.

WTFDA TV STATION GUIDE...CAN YOU HELP??? Doug Smith writes.."I already have the data for a TV Station Guide, and I'm willing to edit it into a printable form and print a master copy for duplication. What I'm not prepared to take on is *duplication* and *order-filling*. If someone else out there is interested in making the copies and filling the orders, I'd be delighted to work with them on the production of a guide. I do *not* have any maps at this time. There are a few possible ways of automating the mapping process, though, and as time permits I'll be messing with them." As you know, the Marines are always looking for a few good men...and so are we. We need someone to take orders. We need someone to have copies made. We need someone to help with station maps. Remember, the last station guide is still fondly remembered by club members. Help us with this one and we will still be talking about you in 2014!

GEOGRAPHY 101...MONTERREY, NL Fernando Garcia talks about his town. "I live in a great place for tropo openings. Monterrey is located on the western extreme of the longest paths East-West, just on the edge of 5900-7800 ft mountains. The highest and closest mountains are to the South and West, and my main source of tropo DX from the US is from North to East. Home is located about 8 miles East from most FM-TV broadcasts towers and protected on direct path with a mountain. Location is 150 miles on direct path from Gulf waters. Average height on the city is about 1700 ft asl, I think there is no such a height on the US Gulf states at a distance of 150 miles from Gulf waters (I think you're right -Mike). State of Florida (the most common 1000+ miles catch) is over a 90% water path. I have only four UHF stations within 100 miles radius, but "T band" action is a serious problem on channels 14-21. I can't ask for a better place for tropo DX reception, maybe a small town on the mountains to the southeast with no local TV stations. I only can dream of it. I still need to win the lottery". (funny...we say the same thing here -Mike).

YEAR NUMBER ONE IN THE CAN March begins my 2nd year doing the mail and writing the Mailbox. Little did I know back in Dec. of 1997 that I would be doing this, and writing this, but amazingly I have grown to like it. The recent addition of a new computer and laser printer also helps. Personally I find it interesting to know a little about the other people in the club, and other Dxers in general. I would like to see Mailbox as a destination you go to, not just a place you pass by on your way to Photo News or Eastern TV DX. I hope you like it. And...*don't forget to write!* -Mike

SATELLITE NEWS



GEORGE W JENSEN
4604 ANNTANA AVE
BALTIMORE MD 21206-4220

Another month and another clump of changes. The most notable item is the debut of Satmex 5. This is a power-house compared to the other, older Mexican birds.

The signal rates right up there with Galaxy 1 or any other domestic US bird. - line up details later in the column.

Satcom C1

delete the following:

10 - Fox Sports Southwest

16 - Sports Channel Alternate

18 - Fox Sports Detroit

Satcom C4 - change digital 104 to Encore - Mountain

Galaxy 1 - using a generic designator will find -

380 - CNN/FN

381 - CNN-SI

383 - Turner Classic Movies

Satcom c3

620 - is now Noggin

the music choice channels have been realigned - more

later when I can give a proper designation for each

Galaxy 9 - using the generic designator CG - will show

343 - TVN Mix A

344 - TVN Mix B

345 - TVN Mix C

308 - Citibank TVN ????

Satmex 5

18 - Clara Vision

feeds for Mexican Papal Visit were on XPDRs 17 and 19

GE 1

16 - Fox Sports New York VC2 from 18

17 - unknown VC1 sports feed

18 - delete and move to 16 - Fox Sports New York

Telstar 5

11 - Extasy VC2

21 - ABC - WEST

Galaxy 3

14 - delete porn promos and add to XPDR 15

Galaxy 7 C band

581 - CBS Eye On People is now Discovery - People

GE 3 -

14 - Turner Classic Movies VC2 - here from Galaxy 1

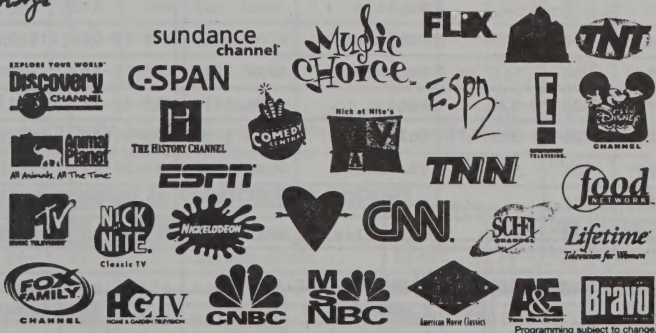
GE Americom K5 - ID Channel now on XPDR 1

PanAmSat 5 - 709 - currently color bars not Sony

Entertainment Television

That's all for this month - see you in 30

George



TV News

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
w9wi@bellsouth.net
http://personal.bna.bellsouth.net/~w9wi

March 1999

non-commercial station
nc no change

Applications for new stations

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
AB	39	3.82		Bow Island	CJIL [17]		
AB	15	0.02		Hobbema	Family Ch	52-50-08	113-29-55
AZ	29^	707	527	Phoenix	KAET [8]	33-20-00	112-03-49
BC	19	0.05		Abbotsford	Mennonite Church		
BC	2/ 13/ 22/ 39/ 41/ 43	0.01/ 0.01/ 0.02/ 0.05/ 0.05/ 0.025		Riley Creek	CBC Nth./ CHKM [6]/ A&E/ Know./ CIII[6]/ TLC	50-36-53	121-52-42
CA	18^	145	580	San Diego	KUSI [51]	32-41-50	116-56-04
CA	19^	200	428	San Francisco	KBWB [20]	37-45-19	122-27-06
CA	12^	8.9	834	San Jose	KNTV [11]	37-06-40	121-50-34
CA	49^	200	688	San Jose	KSTS [48]	37-29-57	121-52-16
IL	47^	200	465	Chicago	WTTW [11]	41-52-44	87-38-10
IN	36^	50	455	Hammond	WJYS [62]	41-52-44	87-38-10
MA	4+	80	240	Boston	WBZ [4]	42-18-37	71-14-14
ON	36z	10		Smiths Falls	CKWS [11]		
QU	3/ 12	0.05		Cabano	CIMT [9]/ CFTF [29]		
QU	6/ 11	0.05		Riviere-du-Loup	CIMT [9]/ CFTF [29]		
WI	34^	833	340	Milwaukee	WISN [12]	43-06-42	87-55-42

WJYS-DT specifies an antenna on the Sears Tower in Chicago, some 40km north of its current site. The channel 4 application in Boston is for an auxiliary backup transmitter.

Construction permits granted for new stations

St	Ch	ERP	Ht./Call	City	Applicant	Latitude	Longitude
BC	8	0.01		Lone Prairie	CHAN [8]	55-33-31	121-20-01
CA	43^	300	947	Los Angeles	KCAL [9]	34-13-38	118-04-00
CA	53^	1000	566	Sacramento	KVIE [6]	38-16-18	121-30-18
CO	18^	1000	435	Denver	KRMA [6]	39-43-48	105-14-00
IN	45^	200	285	Ipls.	WXIN [59]	39-53-20	86-12-07
NC	22^	355	577	Charlotte	WCNC [36]	35-20-49	81-10-15
SA	27	0.02		Quill Lake	Discovery	52-04-22	104-15-47
TN	27^	946	411	Nashville	WKRN [2]	36-02-50	86-49-49

New-station permits expired, dismissed, etc.:

St	City	Ch	# permits	St	City	Ch	# permits
VI	Christiansted	15	2				

Applications to change existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AB	2z	46.6		Lethbridge	CKAL-1		
AB	4	3.48		Red Deer	CKEM-1		
MA	4+		353	Boston	WBZ-TV		
MA	44z	2090	374	Boston	WGBX-TV		
MA	27z			Worcester	WUNI	42-20-09	71-42-57
MI	20+		320	Detroit	WDWB		
MS	20z	30.1		Holly Springs	WBII-LP	34-50-07	89-10-32
NB	38-	21.1		Woodstock	CIHF-11	46-25-12	67-33-34
NC	9+			Charlotte	WSOC-TV	35-15-41	80-43-37
QU	5n	0.05		Cabano	CKRT-4		
QU	13n	0.05		Riviere-du-Loup	CKRT-3		
TX	19+			Victoria	KVCT	28-46-37	96-57-45
WI	27+	2400		Madison	WKOW-TV		
WI	12z	251	326	Milwaukee	WISN-TV	43-06-41	87-55-38

Entries in italics are corrections to the tower coordinates only - nothing has actually changed.

CKEM-TV-1 also proposes to move about 23km southeast of the current site and move from channel 20. CIHF-TV-11 proposes a small move, to the CKLT-TV-1 [3] tower near Florenceville. CKAL-TV-1 proposes a move 10.7km south. The WUNI [27] move also specifies Needham as the city of license, but I believe that's a typo.

Applications to change construction permits

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AZ	55+	6.2		Phoenix	K55EH		
CO	19^	1000		Denver	KTVD-DT		
MA	31^		330	Boston	WFXT-DT		
NM	25-	100	134	Carlsbad	KUPC	32-26-09	104-11-14
TX	55z	3240	143	Lake Dallas	KLDT		
VI	27z	26.7		Christiansted	WCVI-TV		
WA	51+	3800	719	Bellevue	KBEH	47-30-17	121-58-04

Changes granted to existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AL	15z	2500	431	Florence	WOWL-TV	35-00-10	87-08-10
CA	48-	2510	688	San Jose	KSTS	37-29-57	121-52-16
CO	20z	5000	409	Denver	KTVD	39-43-48	105-14-00
ON	36+	514		Hamilton	CITS-TV		
WI	36z	4770	330	Milwaukee	WMVT	43-05-41	87-54-11

I suspect the CITS-TV change is an as-built facility. The new site for WOWL is a few hundred meters north of the Tennessee state line, in Giles County.

Changes granted to construction permits

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AR	14-	31		Little Rock	K14JV	34-49-52	92-19-18
HI	38+	206	573	Honolulu	KAIE		
HI	44z	206	573	Honolulu	KWBN		

MA	31^		330	Boston	WFXT-DT		
VI	27z	26.7		Christiansted	WCVI-TV		

W34CK's new site is on the Sears Tower in downtown Chicago.

Changes expired, dismissed, etc.

St	City	Ch	Call	St	City	Ch	Call
PA	Erie	66	WFXP	TX	El Paso	65	KKWB
PR	Mayaguez	22	WNJX-TV	WA	Seattle	4	KOMO-TV

LPTV Displacement applications

St	City	Call	Fm	To	St	City	Call	Fm	To
CA	Quincy	K11JU	11n	5+	FL	Port Charlotte	W52CN	52-	17+

LPTV Displacements granted

St	City	Call	Fm	To	St	City	Call	Fm	To
CA	Lompoc	K08MP	67	8+	NM	Grants	K46FI	20	46+
CO	Bayfield	K36FA	67	36n	OH	Masury	W31BW	40	31-
LA	Houma	K60GH	30	60+	WA	Tonasket	K41EU	67	41z
NM	Carlsbad	K47FX	31	47+					

W31BW (ex-W40AM) specifies a transmitter site in Pennsylvania.

LPTV Displacements Dismissed/Denied

St	City	Call	Fm	To	St	City	Call	Fm	To
CA	Sta. Barbara	K61AI	61	29-	MA	Dennis	W67BA	67	24z
CA	Sta. Barbara	KWHY-LP	65	29+	MN	La Crescent	KQEG-	50	58-
CO	Ft. Collins	K35EQ	35	52-	NC	Asheville	W25BU	25	50-
FL	Ft. Myers	W67BY	67	17+	OR	Eugene	K63GC	63	23+
FL	Ft. Walton Beach	W69DH	69	32-	OR	Medford	K68EW	68	50+
FL	Jacksonvl.	W67DL	67	50+	SC	Summerville	W48BV	48	26+
FL	Pt. Charlotte	W52CN	52	18+	TX	Livingston	KETX-	5	7+
GA	Roswell	W22CD	22	38z	VA	Richmond	WXOB-	14	40z
GA	Vidalia	W46CA	46	25+					

Technical changes on the air

St	Ch	Call	City	What happened
ME	17-	W17BF	Bangor	decrease power 26.6>21.1KW, increase tower height by 3m.
OH	3z	WKYC-TV	Cleveland	increase tower height 305>312m, decrease power 100>93.3KW.
PA	56z	WOLF-TV	Hazleton	increase tower height 329>503m, power 1000>1580KW, move about 20km northeast.
PR	66n	W66BM	Quebradillas	increase power 0.95>10KW, tower 135>157m, move about 1km south.
RI	50z	WRIW-LP	Providence	move from ch. 23z; decrease power 23.8>18.4KW.
TX	47+	K47EB	Lamesa	increase power 0.979>6.89KW, tower height 52m.
WY	39n	KMAH-LP	Cheyenne	increase power 0.222>10.3KW, tower height 2m.

New stations on the air or requesting operating license

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AR	54n	8		K54ER	Jonesboro	35-53-26	90-40-26
AZ	27n	1.3		K27EC	L. Havasu C.	34-36-11	114-22-14
AZ	51z	5000	533	KPPX	Tolleson	33-20-03	112-03-38
AZ	52z	1.24		K52EG	Yuma	32-40-23	114-20-16
CA	19+	9.93		K19DH	Indio	33-48-08	116-13-27
CA	53+	9.40		K53EL	Indio	33-48-08	116-13-27
CA	50z	1.06		K50EW	Lucerne Vly.	34-27-47	116-52-44
CA	15n	18		K15CY	Sacramento	38-42-30	121-28-31
CA	24^	561	437	KGO-DT	San Francisco	37-45-19	122-27-06
GA	19^	49	329	WGNX-DT	Atlanta	33-40-27	84-20-26
GA	57+	1740	319	WATC	Atlanta	34-03-59	84-27-17
IA	39-	34.8		K39DF	Council Bluff	41-15-17	95-50-09
ID	31-	2140	447	KFXP	Pocatello	42-55-15	112-20-44
IN	9^	15.8	284	WISH-DT	Indianapolis	39-53-25	86-12-20
IN	46^	250	267	WTHR-DT	Indianapolis	39-55-43	86-10-55
LA	11+	316	544	KAQY	Columbia	32-05-42	92-10-34
MT	10+	316	579	KMTF	Helena	46-35-47	112-17-47
NV	43z	5.1		K43FO	Las Vegas	35-56-44	115-02-31
NY	16z	4.4		W16BE	Hornell	42-16-05	77-37-51
NY	56+	5000	379	WSPX-TV	Syracuse	43-18-18	76-03-00
OH	21^	440	212	WBNS-DT	Columbus	39-58-16	83-01-40
OH	57-	0.774		W57BH	Steubenville	40-21-59	80-35-22
PA	25-	42		W25BK	Freedom	40-41-34	80-15-04
PA	51^	145	250	WTAE-DT	Pittsburgh	40-16-49	79-48-11
TX	10z	316	100	KTRG	Del Rio	29-20-39	100-51-39
TX	63+	6.9		K63GD	San Antonio	29-31-27	98-37-05
VT	69			W69DG	Burlington		
WV	56-	47.4		W56DT	Charleston	38-22-32	81-39-25

W69DG has disappeared from the FCC database...

Stations deleted/dismissed/off air/etc.

St	Call	St	Call	St	Call	St	Call	St	Call
AZ	K09WX	BC	CIBD [12]	BC	CIMP [9]	NE	K34DT	NY	WBUF-LP [39]
BC	CH4431[6]								

The deletion of the wireless-cable system at Lilloet, BC has been proposed. (It is unlikely the CRTC would deny this deletion!) Stations involved are on channels 2, 4, 8, 11, 13, 14, 17, 18, 25, 28, 33, 39, 45, 51, 57, and 63. I don't think all 16 of these channels are to be deleted.

Call changes

<u>Was:</u>	<u>Now:</u>	<u>City:</u>	<u>Ch</u>	<u>Was:</u>	<u>Now:</u>	<u>City:</u>	<u>Ch:</u>
K32EQ	KMCF-LP	Fresno, CA	32	K59FQ	KUNU-LP	Victoria, TX	59
KFMG-LP	KEZT-LP	Temecula, CA	26	K39DH	KTLE-LP	Ogden, UT	39
WPXO	KPXJ	Minden, LA	21	WAZW	WTPX	Antigo, WI	46
new	KAPX	Albu., NM	14				

Programming changes

<u>Call</u>	<u>Location</u>	<u>Programming</u>
K05JR	Juneau, AK	drops WB for UPN. (Dual affiliate, NBC & UPN)
KSCT-LP [5]	Sitka, AK	drops WB, now NBC only.
WSWS [66]	Opelika, AL	drops UPN, now independent.
K28FV	Phoenix, AZ	FTN Spanish religion, parallel South Texas LPTVs & KTRG [10].
W69AY	Alachua, FL	relays WACX [55], TBN.
W47AC/W52BB	Big Pine, FL	from WFOR [4] and WPBT [2] to WPLG [10] and WTVJ [6].
WEYS [22]	Key West, FL	CBS TeleNoticias, in Spanish. Also affects translator W55BV Miami.
WLWA-LP [14]	Lakeland, FL	relays WACX [55], TBN.
W47AL	Orlando, FL	FTN Spanish religion, parallel South Texas LPTVs & KTRG [10].
WCFC-LP [51]	Rockford, IL	religious. (no longer relays WCPX [38] Chicago)
WJJD-LP [45]	Rockford, IL	dark.
WREP-LP [15]	Martinsville, IN	sold to local school district.
WFYW-LP [41]	Fairfield, ME	sold to 3ABN.
W25BI	Grand Rapids, MI	sold to WOOD [8]; to be LWS weather?
W59AZ	Rockford, MI	sold to WOOD [8] (see W25BI)
KAGR [26]	Bemidji, MN	permit sold to WFTC [29], Fox.
K06FZ	Red River, NM	sold to KOB [4], NBC.
CKCO-TV-4 [11]	Huntsville, ON	from a relay of CKCO-TV-2 [2] to a relay of CKNY [10], with some local news.
W65AV	Harrisburg, PA	no longer relaying WPHL [17].
K35EU	Corpus Christi, TX	relaying KTMV-LP [8] w/ Tejano music videos.
KTRG [10]	Del Rio, TX	from WB to FTN Spanish religion.
K20BW & K33CK	San Antonio, TX	"Enlace TBN", in Spanish.
K25ES	San Antonio, TX	FTN Spanish religion // KTRG [10].
K31EX	San Antonio, TX	infomercials.
K67DW	San Antonio, TX	Box

Forum & Other Stuff

Thanks to Fernando Garcia, Pat Dyer, Chip Kelley, Greg Coniglio, Neil Kazaross, and Jeff Kitsko for information appearing elsewhere in this column.

An application to transfer the license of WPRC-LP [4] Orlando was returned -- they forgot to pay the proper filing fee...

A couple of Chicago-area DXers report an improvement in W23AT ("WFBT")'s signal. I don't list any kind of technical changes for this station. My guess is there was something wrong with the transmitting equipment, causing the station to operate on reduced power, and they fixed the problem. Neil also reports on the programming change at WCFC-LP Rockford, which changed when its former primary WCFC [38] Chicago became a Pax affiliate. This station's frequency is 77KHz above zero offset. (It's supposed to be on minus offset!) After a dark period, W33AR Rockford is back on the air (though very weak) translating WCIU [26].

Fernando and Pat have been seeing some LPTV changes in San Antonio, as reported above. "Enlace TBN" seems to be a new religious service, in Spanish. Fernando reports K67DW back on the air with The Box - this station has disappeared from the FCC DB. Also coming in to Monterrey is an unID channel 58 with Spanish-language music videos. Fernando speculates it's K58EU San Antonio, though Pat isn't seeing it. I wonder if this is K58EI Rio Grande City? (See below..)

Another unID at Fernando's location in northern Mexico is a channel 40, seen one afternoon with "TNT" and another morning with cartoons. It seems to peak with W39BP Pensacola. There was some speculation it might be new KTLM Rio Grande City, but Fernando says the beam heading is wrong and it isn't strong enough. Some channel 40s in that general vicinity include KAJN-LP Lafayette, LA (listed as INSP religion); WDBD Jackson, MS (Fox); and K40EX Mathis, TX (I have no programming listings - not sure where Mathis is though)

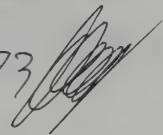
According to a Mexican newspaper, the "CBS Telenoticias" WEYS [22] is carrying plans to expand to over-the-air broadcasts in New York, Dallas, Houston, San Antonio, and other markets. This is a 24-hour news service in Spanish.

Chip has found a Web site for three LPTVs in the South Texas area. www.z-tv.com is the site for the Zavaletta LPTVs K20FK ("KZAV") Brownsville, K15EZ ("KZLR") Laredo, and K35EZ ("KZMC") McAllen. K58EI Rio Grande City isn't mentioned, but it is co-owned with these.. The Web site gives no indication of the type of programming to be carried, but it does give a start date of 1 March. In January I indicated KFVE [5] Honolulu & KSKN [22] Spokane were to become WB affiliates. Chip says this hasn't happened yet; he believes they'll remain with UPN until 2000.

Jeff Kitsko reports WTAE [4] Pittsburgh airing promotions for their new DTV station on channel 51. They show a regular TV set transforming into a digital set with the audio "WTAE-DT, Pittsburgh's first digital television. We're ready when you are." Jeff says the "snow" pattern doesn't offer him much of a clue about the station's presence.. (but see Mike Bugaj's comments in last month's "Mailbox" regarding WTNH-DT) Also sent by Jeff are some area code changes in Pennsylvania which may help with your unIDs:

- ♦ (412): Pittsburgh city
- ♦ (724): Pittsburgh suburbs
- ♦ (814): Erie, Johnstown, Altoona
- ♦ (717): Harrisburg, Lancaster, York
- ♦ (570): Scranton, Wilkes-Barre, Allentown
- ♦ (610): Philadelphia suburbs
- ♦ (484): Philadelphia suburbs
- ♦ (215): Philadelphia city
- ♦ (267): Philadelphia city

Keith Smith noted a list of major group owners in *Broadcasting and Cable* magazine; under the Paxson Communications listings were a channel 51 in Wilkes-Barre, PA. Keith asks "Isn't ch. 51 licensed to Reading, near Philadelphia?" Yes, I'm quite sure this isn't the station mentioned. I wonder if this is a typo? Paxson owns WQPX [64] Scranton. There is a channel 51 station in the market (W51BP Clarks Summit) but I list it as a translator of WBRE [28] and rather doubt it's been sold to Pax.

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Canadian DTV Channel Plan

MB	Brandon	CBWFT-10	MB	16	MB	McCreary	CKX-3	11	19
MB	Brandon	CKYB	4	50	MB	McCusker Lake	CBWUT	10	7
MB	Brandon	CKX	5	49	MB	Melita	CKX-2	9	47
MB	Dauphin	CKYD	12	20	MB	Minnedosa	CKND-2	2	44
MB	Dauphin	CBWST	8	9	MB	Oak Lake	CBWFT-12	32	30
MB	Fairford	CBWGT-2	7	23	MB	Pine Falls	CBWFT-6	11	38
MB	Fisher Branch	CBWGT	10	47	MB	Piney	CBWT-3	29	23
MB	Fisher Branch	CKYA	8	45	MB	Portage la Prairie	CHMI	13	32
MB	Flin Flon	CBWBT	10	22	MB	Ste. Rose du Lac	CBWFT-4	3	14
MB	Flin Flon	CKYF	13	12	MB	The Pas	CKYP	12	15
MB	Flin Flon	CBWFT-2	3	9	MB	The Pas	CBWFT-1	6	30
MB	Foxwarren	CKX-1	11	29	MB	The Pas	CBWIT	7	14
MB	Gods Lake Narrow	CBWXT	13	7	MB	Thompson	CBWFT-5	5	8
MB	Grand Rapids	CBWHT-1	15	14	MB	Thompson	CBWTT	7	13
MB	Grand Rapids	CBWHT	8	50	MB	Thompson	CKYT	9	14
MB	Jackhead	CBWGT-1	5	18	MB	Wassagamach	CBWWT	9	8
MB	Lac du Bonnet	CBWT-2	4	21	MB	Winnipeg	CBWFT	3	51
MB	Leaf Rapids	CBWQT	13	9	MB	Winnipeg	CBWT	6	27
MB	Little Grand Rapids	CBWZT	9	12	MB	Winnipeg	CKY	7	46
MB	Mafeking	CBWYT	2	21	MB	Winnipeg	CKND	9	28
NB	Allardville	CBAFT-3	3	62	NB	Miramichi C.	CIHF-13	40	30
NB	Bon Accord	CBAT-1	6	54	NB	Moncton	CBAFT	11	67
NB	Campbellton	CBAT-4	4	60	NB	Moncton	CKCW	2	29
NB	Campbellton	CKCD	7	17	NB	Moncton	CIHF-3	27	55
NB	Campbellton	CBAFT-7	9	69	NB	Moncton	CBAT-2	7	56
NB	Chatham	CBAT-3	6	52	NB	Saint John	CIHF-2	12	69
NB	Edmundston	CBAFT-2	13	59	NB	Saint John	CBAT	4	62
NB	Edmundston	CIMT-1	4	32	NB	Saint John	CKLT	9	66
NB	Florenceville	CKLT-1	3	24	NB	St. Stephen	CIHF-12	21	40
NB	Fredericton	CIHF-1	11	44	NB	Upsalquitch	CKAM	12	11
NB	Fredericton	CBAFT-10	19	46	NB	Woodstock	CIHF-11	38	30
NB	Fredericton	CBAFT-1	5	31	NF	Millertown	CBNAT-5	9	24
NF	Argentia	CJOM	3	45	NF	Mt. St. Margaret	CBNAT-9	9	45
NF	Baie Verte	CBNAT-1	3	22	NF	Musgrave Harbour	CBNAT-11	9	20
NF	Bonavista	CJWB	10	47	NF	Placentia	CBNT-2	12	51
NF	Bonne Bay	CBYT-3	2	50	NF	Port au Port	CBFNT	13	38
NF	Carmanville	CBNAT-7	7	39	NF	Port aux Basques	CBYT-4	3	39
NF	Clareville	CJCV	11	24	NF	Port Rexton	CBNT-1	13	38
NF	Clareville	CBNT-10	7	41	NF	Portland Ck.	CBYT-8	13	43

NF	Conche	CBNAT-8	12	49	NF	Ramea	CBNT-25	13	41
NF	Corner Brook	CJWN	10	42	NF	Red Rocks	CJRR	11	16
NF	Corner Brook	CBYT	5	21	NF	Roddickton	CBNAT-22	11	40
NF	Cow Head	CBYT-6	8	17	NF	Rose Blanche	CBYT-11	9	20
NF	Deer Lake	CBYAT	12	40	NF	Springdale	CBNAT-13	13	41
NF	Deer Lake	CJLW	8	48	NF	St. Alban's	CBNT-4	9	40
NF	Fox Harbour	CBNAT-10	7	10	NF	St. Andrew's	CBYT-5	6	24
NF	Goose Bay	CHTG	12	7	NF	St. Anthony	CBNAT-4	6	38
NF	Goose Bay	CFLA	8	11	NF	St. John's	CBFJ	4	17
NF	Grand Bank	CJOX-1	2	43	NF	St. John's	CJON	6	42
NF	Grand Falls	CBNAT	11	46	NF	St. John's	CBNT	8	21
NF	Grand Falls	CJCN	4	44	NF	St. Mary's	CBNT-6	10	48
NF	Hampden	CBNAT-23	13	20	NF	St. Vincent's	CBNT-26	7	22
NF	Hawke's Bay	CBYT-9	4	24	NF	Stephenville	CJSV	4	47
NF	Hermitage	CBNT-24	4	23	NF	Stephenville	CBYT-1	8	51
NF	Labrador City	CBFT-12	11	12	NF	Sunnyside	CBNT-41	9	16
NF	Labrador City	CBNLI	13	36	NF	Trepassey	CBNT-39	4	40
NF	Marystown	CJMA	11	20	NF	Wesleyville	CBNT-9	5	50
NF	Marystown	CBNT-3	5	49					
NS	Antigonish	CIHF-15	21	39	NS	Mulgrave	CIHF-16	28	20
NS	Antigonish	CJCB-2	9	61	NS	Mulgrave	CBHFT-2	7	69
NS	Aspen	CBHT-14	5	57	NS	New Glasgow	CBHFT-7	15	51
NS	Bridgewater	CIHF-6	9	42	NS	New Glasgow	CIHF-8	34	47
NS	Caledonia	CBHT-9	2	30	NS	New Glasgow	CBHT-5	4	65
NS	Caledonia	CJCH-6	6	23	NS	Pt. Hawkesbury	CJCB-6	3	41
NS	Canning	CJCH-1	10	34	NS	Sheet Harbour	CBHT-4	11	29
NS	Cheticamp	CBHFT-4	10	59	NS	Sheet Harbour	CJCH-5	2	44
NS	Cheticamp	CBIT-2	2	50	NS	Shelburne	CIHF-9	10	28
NS	Digby	CBHT-7	52	39	NS	Shelburne	CBHT-2	7	17
NS	Digby	CBHFT-6	58	15	NS	Sydney	CIHF-7	11	14
NS	Dingwall	CBIT-16	12	46	NS	Sydney	CBHFT-3	13	36
NS	Halifax	CBHFT	13	38	NS	Sydney	CJCB	4	68
NS	Halifax	CBHT	3	63	NS	Sydney	CBIT	5	54
NS	Halifax	CJCH	5	48	NS	Truro	CIHF-4	18	33
NS	Halifax	CIHF	8	26	NS	Truro	CBHT-8	55	42
NS	Inverness	CJCB-1	6	27	NS	Wolfville	CIHF-5	20	58
NS	Inverness	CBIT-19	8	63	NS	Yarmouth	CBHT-3	11	49
NS	Liverpool	CBHT-1	12	25	NS	Yarmouth	CBHFT-1	3	50
NS	Middleton	CBHFT-5	46	21	NS	Yarmouth	CJCH-7	40	43
NS	Middleton	CBHT-6	8	61	NS	Yarmouth	CIHF-10	45	33
NS	Mulgrave	CBHT-11	12	31					

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FM NEWS

MARCH 1999

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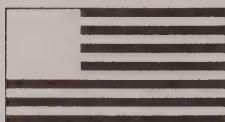
KEY TO

ABBREVIATIONS:

&: satellite programming
AF: New frequency allocation **accepted for filing** for a new FM license
AFA: American Family Association
CC: **call letter change**
CL: **city of license change**
CX: a **construction permit** has been **canceled**
C1,C2,etc: a change in status to that FM license **class**
DA: **directional antenna**
DE: station has been **deleted**
FC: **format change**
GA: **granted amendment** to the table of FM allocations
GE: **granted extension of** construction permit

GX: **granted replacement** of expired permit
LC: **license to cover** filed (means station is ready to come on air)
MC: **multiple-city** legal ID
NC: **no change** yet on a reported change/permit
ND: **non-directional** antenna
NO: **not on the air**
NS: **new station** signed
NW: **new station** signs on
OSA: **one-step application** granted for change
PA: **proposed amendment** to change FM table of allocation
PC: **power change** on the air (">" for increase, "<" for decrease, when known)

PG: **power change** granted (">" for increase, "<" for decrease, when known)
QC: **frequency change** occurred
QG: **frequency change** granted
RA: **silent station returns to air**
RE: **station requests extension** on permit
RX: **station requests replacement** of expired permit
SG: **slogan change** or update
SI: **station is silent**
XA: **dismissed amendment** to FM allocations
XC: **transmitter site change** occurred
XG: **transmitter site change** granted



UNITED STATES

ALABAMA:

Andalusia: WWSF 98.1 FC to sports (Ft. Walton)
Atmore: WYOK 104.1 CC (ex WDWG), FC to urban "K104" (Mobile)
Dothan: WGTG 89.5 PC> 19 kW, 210 ft, DA, C3
E. Brewton: WGCX 95.7 NO-RE
Gadsden: WQEN 103.7 adds Mark & Brian
Jackson: WHOD 94.5 NC to 30 kW, 640 ft, C2, GE
Montgomery: WHHY 101.9 CC (ex WJCC) "Y102"
Montgomery: W218BG 91.5 NS-10w: WLB9 89.1
Oneonta: WKLD 97.7 CX CP for 341 ft.
Pine Hill: WKXK 96.7 NO-RX
Scottsboro: WKEA 98.3 adds JRN country (&)
Trussville: WENN 105.9 FC to rhythmic oldies
Zip City: W255AN 99.7 NS-10w: WMXX 103.1 TN

ALASKA:

Girdwood: KEUL 88.9 LC
Houston: *NS 96.3 NO-RX
Seward: KPFF 105.9 NW, JRN oldies/talk // AM (&) a new format may come soon

ARIZONA:

Chino Valley: KPBZ 103.9 LC
Flagstaff: KBLC 100.1 CC (NS)
Flagstaff: KJTA 89.9 NO-GE

Arizona:

Florence: KCDX 103.1 NO-GE (5th)
Lake Havasu City: KBBC 96.7 CC (ex KANG) "British Broadcasting Company"
Nogales: KOFH 99.1 NO-RE
Paradise Valley: KHOT 105.9 FC to rhythmic oldies
Payson: KESP 101.1 PC< 82 kW, 1069 ft. FC to classic hits "Loop 101"
Springerville: K218CV 91.5 NS-90: WYFG-SC
Willcox: KWCX 98.3 FC to JRN soft AC (&)
Winslow: KFMR 95.1 NO-GE

ARKANSAS:

Des Arc: KBDO 91.7 PG> 56 kW (v), 682 ft, XG: 35-00-08 / 91-44-41
El Dorado: KBYB 96.1 inc. to 446 ft.
England: KHUG 96.5 FC to country
Heber Springs: KAWW 100.7 FC to adult standards // KRNN (&)
Jonesboro: KDEZ 100.5XC: 35-54-26 / 90-41-38
Maumelle: KWLR 96.9 CC (ex KSIZ) "Word 97"
Paragould: KDRS 107.1 CC (ex KLQZ), FC to Hot AC
Paris: KERX 95.3 FC to WW1 adult rock (&)
Pine Bluff: KANX 91.1 PC> 16.5 kW, 522 ft, XG: 34-17-26 / 92-29-36
Salem: KSAR 95.9 NC to 100.9 - C2, 50 kW, 492 ft, XC, RE

KZ100
KDEZ-FM
100.3

FROGGY 96.7

Best & most country!

CALIFORNIA:

Alturas: KCNO 94.5 FC to JRN classic country (&)
 Arvin: KBDS 92.5 PG 1,150 watts, 751 ft, XG: 35-11-45 / 118-42-30
 Corcoran: KLCZ 102.3 NO-RX
 Davis: KHZZ 104.3 PG> 6 kW, 328 ft. CC (ex KQBR)
 Ford City: KZPE 102.1 NO-RX
 Fremont: KCNL 104.9 CC (ex KLDZ) "The Channel"
 Fresno: KMGV 97.9 CC (ex KNAX) "Mega"
 Inglewood: KACE 103.9 PG> 4.1 kW
 Johannesburg: KRAJ 100.9 LC
 Joshua Tree: KDHI 92.1 CC (ex KKJT), FC to RMN - Country (&) "Coyote Country"
 King City: KZSL 93.9 CC (ex KLFA) "Z-Spanish"
 Lenwood: KBIW 104.5 NO-RE
 Ludlow: KHWZ 100.1 inc. to 174 ft. XG: 34-42-35 / 116-09-04
 Madera: KZFO 92.1 NC to 50 kW, 492 ft, CL to Clovis, CA, RE
 Magalia: KLVC 88.3 PG> 5.7 kW
 Manteca: KFRY 96.7 FC to rhythmic oldies "Jammin" (Modesto)
 Mecca: KRCK 97.7 CC (NS)
 Northridge: KCSN 88.5 NC to 320w, 1643', RE
 Rio Dell: KMGX 107.3 NO-GX
 Roseville: KXOA 93.7 CC (ex KRAK) "Arrow"
 San Clemente: KWVE 107.9 NC to 560w, 3689 ft, GX (4th)
 San Francisco: KKSF 103.7 PG< 7.2 kW, 1512 ft.
 Santa Ana: KALI 106.3 PC> 6 kW, 302 ft.
 Santa Paula: KCZN 96.7 NC to 279w, DA, GE (3rd)
 Stockton: KQOD 100.1 inc. to 328 ft. XC: 37-59-33 / 121-12-50
 Templeton: *NS 100.5 NO-RE
 Twentynine Palms: KKJT 96.3 CC (ex KDHI), FC to modern rock "Jet" (&)
 Vacaville: KUIC 95.3 PC< 460w, 2024 ft.

COLORADO:

Aspen: KPWW 107.1 NO-GE
 Colorado Sps: KTLF 90.5 PC> 13 kW(v), 2181 ft.
 Fountain: KPRZ 96.1 NC to 1.7 kW, 2198', RE
 Holyoke: KKYT 92.3 CC (NS)
 Kremmling: KRKM 106.3 adds Art Bell 11pm - 4am
 New Castle: *** 94.5 PA: add class A
 Olathe: *** 101.9 PA: add class C2
 Palisade: *** 106.9 PA: add class C3
 Rocky Ford: *NS 95.5 100 kW, 390 ft.
 Rye: *** 104.9 PA: add class A
 Walden: *** 94.1 PA: add class C2
 Windsor: KUAD 99.1 inc. to 695', XG: 40-38-31 / 104-49-03
 Yuma: KNEC 100.9 not on the air yet

FLORIDA:

Apopka: WYPO 95.3 CC (ex WTLN), FC to dance "The Party" (Orlando)
 Beverly Hills: WGUL 106.3 CC (ex WXOF), FC to JRN standards (&)
 Cape Coral: WXKB 103.9 OSA to class C, 1118 ft, XC: 26-25-22 / 81-37-49
 Crawfordville: WAKU 94.1 FC to con. Christian (&)
 Crystal River: WKTK 98.5 XC: 29-15-34 / 82-34-05
 Dade City: WBDN 96.1 CC (ex WGUL), FC to tropical (Tampa) (&)
 Edgewater: WKRO 93.1 XG: 28-53-40 / 80-53-08
 Englewood: WLTF 105.9 NO-GE (2nd)
 Holly Hill: WANX 88.1 NO-RE
 Homestead: WRGP 88.1 NO-GX (3rd)
 Key West: WCNK 98.7 CX CP for XC: 24-34-43 / 81-44-49
 LaBelle: WBIW 88.3 CC (NS)
 Lakeland: WKES 91.1 CX CP for 476 ft, XC
 Marco: WMKO 91.7 LC
 Melbourne: W232AZ 94.3 NS-120w: WJFP 91.1
 Perry: *** 107.7 PA: add class C3
 Pt. St. Lucie: WHLG 101.3 NW, adult contemp.
 Punta Rassa: WCCL 97.7 NO-RE
 Riviera Beach: WWLV 94.3 NC to 4.1 kW, 807', GX
 Rockledge: WHKR 102.7 CX CP for DA, XC
 Vero Beach: WPAW 99.7 PG> 50 kW, XG: 27-44-07 / 80-27-27
 Yankeetown: WXOF 96.3 CC (ex WBKX), FC to country "The Fox"

GEORGIA:

Albany: WGPC 104.5 FC to country // WKAK (WKAK will get a new format by Spring)
 Augusta: WEKL 102.3 XA: to 101.7 - C3
 Canton: WGST 105.7 adds Dr. Laura
 Clayton: WRBN 104.1 PG> 370 w.
 Cordele: WKKN 98.3 PC> 4.2 kW, 279 ft.
 Ellijay: WLJA 93.5 FC to JRN classic country (&) and gospel
 Fayetteville: WHTA 97.5 NC to 6.6 kW, 636', GE (3rd)
 Fort Valley: WIBB 97.9 CX CP to remove contour protection
 Gibson: *** 94.3 XA to delete this A
 Hazlehurst: WVOH 93.5 FC to Radio 1 Country (&)
 Milledgeville: WGUR 88.9 CX CP for 91.9 - A, PC> 6 kW, 328 ft, XC
 Mt. Vernon: WYUM 101.7 LC
 Sasser: WEGC 107.7 FC to adult. Cont.
 Statenville: WHLJ 97.5 adds Tom Joyner
 Sylvester: WWSG 102.1 NO-RE
 Talking Rock: WNSY 100.1 LC
 Thomasville: WOKL 107.1 CX CP for 100 kW, 981 ft, and XC
 Thomson: WTHO 101.7 XA: to 94.3 - A
 Valdosta: WQPW 95.7 OSA for C1, 100 kW, 981 ft, XG: 30-31-38 / 82-58-22



IDAHO:

Aberdeen: *** 99.5 PA: add class C2
 Sandpoint: KIBR 102.5 change to -344 ft.

ILLINOIS:

Arlington Hts: WKIE 92.7 CC (ex WCBR) "Kiss FM"
 Canton: WBDM 101.1 NO-RX
 Carlyle: WCXO 96.7 NO-GE
 Chicago: WLIT 93.9 XG: 41-52-44 / 87-38-08
 Crete: WYAA 102.3 PG< 1050w, 499 ft.
 XG: 41-19-32 / 87-37-15

E. Moline: KUUL 101.3 CX CP for 12.5 kW, 981 ft.
 El Dorado: WEBQ 102.3 CX CP for 6 kW, 328 ft.
 Freeport: WXXQ 98.5 PC< 11 kW, 492 ft, B1,
 XG: 42-16-48 / 89-19-59

Glenview: WGBK 88.5 PG> 185w, DA,
 XG: 42-06-39 / 87-49-56
 Joliet: WLLI 96.7 dec. to 276 ft, XC: 41-32-06
 / 88-03-15

Kankakee: WKIF 92.7 CC (ex WBRO) "Kiss FM"
 La Salle: WNIW 91.3 NW, info / classical, // WNIJ
 days, and WNIJ nights

Lincolnshire: WAES 88.1 CC (NS)
 Metropolis: WRIK 98.3 NC to 100 kW, 699 ft., GE
 Morrison: WZZT 95.1 FC to Adult Rock (&)
 Oglesby: WALS 102.1 CX CP for 1.8 kW, XC
 Pana: WXXO 100.3 FC to WW1 country (&)
 Peoria: WBGE 92.3 FC to R&B oldies
 Rock Island: WHTS 98.9 CX CP for 12.5 kW, 981 ft,

INDIANA:

Auburn: WGL 102.3 FC to dance "Z 102.3"
 PC > 6 kW, 315' XC: 41-21-07 / 85-09-55
 Chesterton: WAJW 89.5 NO-RE
 Clarksville: WQSH 93.1 LC
 Edinburgh: WYGB 102.9 NO-GE (3rd)
 Jeffersonville: WQMF 95.7 CX CP for 29.5 kW, 633'
 Marengo: WKLO 89.9 CC (ex WARL)
 Princeton: WSJD 100.5 CX CP for 6 kW (cir), XC,
 RX

Richmond: WFMG 101.3 CX CP for 44 kW, 528 ft.
 Veedersburg: WARL 92.9 CC (ex WKLO)

**IOWA:**

Lamoni: KIIC 97.9 NO-GE, change to ND,
 XG: 40-48-52 / 93-50-15
 Onawa: KZSR 102.3 CC (ex KOLK), FC to adult
 cont. (Sioux City)
 Ottumwa: KOTM 97.7 PC> 19 kW, 367 ft.
 Spencer: KICD 107.7 dec. to 285 ft.

KANSAS:

Burdett: *** 93.5 PA: add class A
 Cawker City: KZDY 96.3 LC
 Dodge City: KONQ 91.9 CX CP for 223', XC
 Ft. Scott: KOMB 103.9 PC> 4.1 kW
 Herington: KDMM 105.7 FC to RMN country (&)

Kansas:

Hutchinson: KSKU 97.1 LC
 Ingalls: KSSA 105.9 CC (ex KBIE)
 Phillipsburg: K216ED 91.1 NS-222w(v): KPRD 88.9
 Seneca: KMZA 92.1 PG> 4 kW, 403 ft, ND,
 XG: 39-49-34 / 96-01-45

KENTUCKY:

Beaver Dam: WKLX 100.7 PG> 25 kW, 328 ft, class
 C3, XG: 37-09-17 / 86-19-33
 Benton: WTRT 88.1 NW, SKY cont. Christian
 (&)
 Benton: WCBL 99.1 XC: 36-51-31 / 88-20-11
 Harrodsburg: WJMM 99.3 CC (ex WHBN)
 LeRose: WSPE 88.3 100w(h), 161 ft. CC (NS)
 Louisville: WFPK 91.9 PC< 6.8 kW, 774 ft.
 Midway: WBTF 107.9 CC (ex WAHY) "The Beat"
 Princeton: WAVJ 104.9 FC to soft AC "Lite" (&)
 Versailles: WCD4 106.3 CC (ex WJMM), RA with
 hot AC "CD 106.3" (Lexington), PC> 3.7 kW,
 420 ft, XC: 38-02-51 / 84-29-57

LOUISIANA:

Abbeville: KROF 105.1 FC to news & talk // KPFL
 Baker: WTGE 107.3 FC to rhythmic oldies (BR)
 Baton Rouge: WDGL 98.1 adds Walton & Johnson
 (simulcast from WRNO 99.5)
 Baton Rouge: WXCT 100.7 SG "Tiger Country
 100.7"
 Clayton: KFGA 107.9 NO-CX-DE
 Donaldsonville: KKAY 104.9 NC to 6 kW, 328', GE
 Franklinton: WFCG 98.9 FC to Radio 1 country (&)
 Natchitoches: KZBL 100.7 PC> 25 kW, 246 ft.
 Oak Grove: KWCL 96.7 PC> 23 kW, 341 ft.
 Pitkin: *** 104.9 PA: add class A

MAINE:

Presque Isle: WOZI 101.9 QC from 101.7, now C2,
 7.9 kW, 1207', DA, XC: 46-32-51 / 67-48-35

MARYLAND:

Cambridge: WFBF 94.3 NO-GE (7th)
 Frederick: WFRE 99.9 adds Nashville Nights /
 After Midnight
 Pocomoke City: *NS 92.5 XG: 38-08-36 / 75-39-53

MASSACHUSETTS:

Brewster: *** 94.3 GA: add class A
 Brockton: WCAV 97.7 PG< 2.7 kW, 492 ft,
 XG: 42-07-28 / 71-00-05
 Southbridge: WQVR 100.1 PG> 2,850w, 479 ft, DA,
 XG: 42-13-28 / 71-52-51, reported SI
 Truro: WCDJ 102.3 NO-GE
 Webster: WORC 98.9 GA: to CL: Spencer, MA

MICHIGAN:

Ann Arbor: WIQB 102.9 adds Bob & Tom
 Atlanta: WBYC 92.5 CC (ex WAIR)
 Benton Harbor: WCNF 94.9 CC (ex WYKL) NW, hot
 AC "Coast"
 Benton Harbor: WHFB 99.9 FC to country
 Big Rapids: WBRN100.9 FC to classic rock
 Birmingham: WCSX 94.7 PC< 13.5 kW, 951 ft.
 Essexville: WEEG 97.3 CC (ex WIXC) "Eagle 97.3"
 Grand Rapids: WCUZ 101.3 CX CP for 26 kW, 702'
 Grand Rapids: WBLU 88.9 granted waiver of main
 studio role
 Honor: WAIR 100.7 CC (ex WIAR)
 Ishpeming: WJPD 92.3 FC to Radio 1 country (&)

WFXD FM**Fox 103****Michigan:**

Mackinaw City: *NS88.5 3.8 kW (v), 417 ft.
 Manistee: WXYQ 101.5 PC< 2.9 kW
 Marquette: WFXD 103.3 adds JRN oldies (&)
 Mt. Clemens: WKSK 102.7 CC (ex WWBR), FC to
 soft AC "Kiss" (Detroit), adds Delilah
 Negaunee: WKQS 101.9 PC> 12 kW, C2
 Pentwater: WMOM 103.1 NO-RE, QG to 102.7, 6 kW,
 328 ft, XG: 43-52-10 / 86-21-32
 Stephenson: WZRK 106.3 XG: 45-38-36 / 87-22-37
 Traverse City: WLJN 89.9 PG> 39 kW (v)
 Trout Lake: *NS 89.9 500w, 390 ft.
 Whitehall: WKBZ 95.3 FC to news & jazz //
 WGVU-FM (Muskegon)

MINNESOTA:

Alexandria: KBHG 89.5 CC (NS)
 Atwater: KYRS 94.1 FC to Radio 1 country (&)
 Grand Marais: WXXZ 95.3 NO-GE
 Redwood Falls: KLGR 97.7 PG> 60 kW, 289 ft,
 XG: 44-32-35 / 95-07-57
 St. Cloud: KCFB 91.5 PG> 15 kW, 348 ft, C3,
 XG: 45-30-02 / 94-14-31
 Waite Park: KLZZ 103.7 PG> 9 kW, 413 ft, class C3,
 XG: 45-30-2 / 94-14-31
 Walker: KQKK 101.9 OSA to C2, 50 kW, 390'

MISSISSIPPI:

Bay Springs: WKZW 94.3 PC< 29.5 kW, 646 ft,
 XC: 31-41-28 / 89-17-45
 Belzoni: WBYP 107.1 adds WW1 country (&)
 Bude: *NS 104.3 25 kW, 328 ft.
 Bruce: WCMR 94.5 adds sports 5-8 p.m.
 Greenwood: WGNL 104.3 PC> 50 kW, 276 ft.
 Greenwood: WYMX 99.1 XG: 33-34-34 / 90-22-33
 Grenada: WQXB 100.1 NC to 24.5 kW, 708 ft, DA,
 XC, GE
 Indianola: WTCD 96.9 XG: 33-34-34 / 90-22-33
 McLain: WXAB 96.9 NO-GE
 Moss Point: WDWG 104.9 CC (ex WYOK), FC to
 classic country (Mobile)
 Pt. Gibson: WVYE 100.5 NO-GE (4th)

MISSOURI:

Bonne Terre: KDBB 104.3 PG< 790w, XG: 37-48-01
 / 90-33-47
 Buffalo: KBFL 99.9 PC< 3.1 kW, 476 ft, class
 C3, XC: 37-31-14 / 93-06-14
 Cedar Hill: KNLH 89.5 NW, New Life gospel (&)
 Columbia: KCMQ 96.7 NC to 100 kW, 912', RE
 Columbia: KBXR 102.3 PC< 880w, 856 ft,
 XG: 39-00-52 / 92-16-32
 DeSoto: KDJR 100.1 FC to country "K100"
 Ellington: KAUL 103.9 NW, New Life gospel (&)
 Kansas City: KSRC 102.1 CC (ex KOZN) "Star"
 Lexington: KNRX 107.3 adds Tom Joyner (KC)
 Mansfield: KTRI 95.9 reported SI
 Moberly: KCSX 97.3 NW, country "Kicks" (&)
 Poplar Bluff: KZMA 103.5 LC
 Scott City: KGKS 93.9 LC
 St. Louis: KSD 93.7 FC to hot AC "Mix 93.7"
 Stockton: KRLK 107.7 XG: 37-37-47 / 93-54-01
 NW, JRN classic country "Lake" (&)

MONTANA:

Belt: *** 101.7 PA: add class A
 Billings: KBEX 105.1 NW, country // KGHL
 Columbia Falls: *** 103.1 PA: add class C3
 Florence: *** 103.5 PA: add class A
 Hamilton: KUFN 91.9 NW, info/variety // KUFM
 Joliet: *** 99.7 PA: add class C3
 Kalispell: KUKL 89.9 NW, info/variety // KUFM
 Lockwood: *** 106.7 PA: add class A
 Missoula: KMZL 91.1 inc. to 2053 ft.
 Neihart: *** 97.1 PA: add class C2

NEBRASKA:

Bridgeport: KAWQ 101.3 NO-RE
 Norfolk: K202CY 88.3 NS-250w: KLOV-FM
 Omaha: KKCD 105.9 adds Bob & Tom
 Omaha: KVSS 88.9 CC (ex KNOS), FC to
 religion

NEVADA:

Indian Springs: KPXC 99.3 NO-GX (8th)
 Lund: *NS 88.7 3 kW, 905 ft.

NEW HAMPSHIRE:

Campton: WVFM 105.7 FC to adult alternative //
 WXRV 92.5 MA "The River"
 Concord: WVNH 91.1 NO-GE (3rd)
 Lancaster: *** 93.7 PA: add class A
 Littleton: WMTK 106.3 adds JRN classic rock (&)
 Mt. Washington: 97.3 PA: add class A

NEW JERSEY:

East Orange: WFMU 91.1 PC> 12.5 kW, 495 ft.
 Egg Harbor City: WRDR 104.9 FC to Spanish
 tropical (Atlantic City)
 Woodbine: WJPH 89.9 CC (NS)

NEW MEXICO:

Alamogordo: KZZX 105.3 QC from 105.5, PG> 8
 kW, -607 ft, XG: 32-53-13 / 105-57-02
 Bosque Farms: KEXT 104.7 dec. to 843 ft.
 Gallup: K207CQ 89.3 NS-100w(v): KLYT 88.3
 Los Alamos: KEFE 107.5 NO-RE
 Raton: KBKZ 96.5 CC (NS)
 Reserve: KNMA 104.5 NO-RE
 Santa Fe: KZXA 94.7 NO-RX
 Santa Rosa: KRSR 95.9 NO-RE
 Taos: KTAO 101.7 QG to 101.9 - C1, 1.2 kW,
 2795 ft, XG: 36-14-48 / 105-39-15

**NEW YORK:**

Albion: WBJA 95.5 CC (NS)
 Amsterdam: WBKK 97.7 CX CP for 1.6 kW
 Baldwinsville: WBXL 90.5 PC> 175w, 207 ft.
 Brockport: WASB 105.5 NW, religion
 Canandaigua: WCIY 88.9 CX CP for 500w, RX
 Delhi: *** 97.5 PA: add class A
 Fulton: WBBS 104.7 CX CP for 479', XC
 Geneva: WEOS 89.7 XC: 42-48-32 / 77-05-12
 Honeoye Falls: WMAX 107.3 PG< 650w, 994 ft, XG:
 42-44-47 / 77-25-35, CL: South Bristol, NY
 Irondequoit: WKGS 106.7 CC (ex WYSY) "Kiss"
 Jewett: WRIP 97.9 CC (ex WAXK) "Land of Rip
 Van Winkle"

New York:

Norwich: WKXZ 93.9 FC to ABC Hot AC (&)
 Nyack: WNYK 88.7 CX CP for 2 w, 456 ft.
 Oneonta: WZOZ 103.1 FC to 70's oldies (&)
 Southampton: WRLI 91.3 NO-GE (7th)
 Syracuse: WRVD 90.3 PG< 280w, 43 ft, DA,
 XG: 43-02-02 / 76-08-22
 Vestal: WMXW 103.3 CX CP for 890w, 850 ft.
 Voorheesville: WAJZ 96.3 CC (ex WPTR), adds
 Tom Joyner, SG "Jamz"
 Walton: *** 107.1 PA: add class A
 Watertown: WFRY 97.5 PC< 97 kW, 476 ft.
 Webster: WFRW 88.1 CX CP for 25 kW, XC

NORTH CAROLINA:

Asheboro: WWMO 89.5 NO-GE
 Belhaven: WANJ 101.1 FC to standards // WANG
 CC (ex WKJA)
 Buxton: *** 101.5 GA: add class A
 Buxton: *** 99.9 GA: add class A
 Greensboro: WQMG 97.1 CX CP for 1230', DA, XC
 Hendersonville: WMYI 102.5 PC< 19 kW, 1811 ft,
 XC: 35-13-20 / 82-32-58
 Highlands: WHLC 104.5 PG> 460w, 1158 ft.
 Moyock: WSVW 92.1 CX CP for 3.7 kW
 Nags Head: WNHV 92.3 CC from 92.5, PC< 18 kW,
 384 ft, XC: 35-50-49 / 75-32-19
 Ocean Isle Beach: WDZD 93.5 NW, rock "93.5
 Asylum" (Myrtle Beach)
 Salisbury: WEND 106.5 PG> 84 kW
 St. Pauls: WUKS 107.7 PC< 5.2 kW, 656 ft.
 Wilmington: WMNX 97.3 inc. to 882 ft.

NORTH DAKOTA:

Cannon Ball: *** 107.5 PA: add class C
 Dickinson: KCAD 99.1 PC> 100 kW, 794 ft.
 Ft. Totten: KABU 90.7 NO-GE (2nd)
 Velva: *** 94.9 PA: add class C1

OHIO:

Canton: WHK 98.1 PC< 15.5 kW, 879 ft.
 Defiance: WDGE 91.9 NO-RE
 Gahanna: WCVO 104.9 PG> 6 kW, 308 ft.
 Greenville: WBKI 106.5 CC (ex WLSN) "Buckeye"
 Lancaster: WJWZ 103.5 PC< 4 kW, 404 ft.
 New Lexington: WWJM 105.9 QC from 106.3
 Royal City: WRCW 96.3 CC (ex WTOF)
 Willard: WLRD 96.9 CC (ex WHHA)

OKLAHOMA:

Ada: KTGS 89.9 NW, southern gospel
 Atoka: KHKC 103.1 FC to Radio 1 country (&)
 Edmond: KCIY 97.9 CC (ex KTNT), FC to jazz &
 a/c mix "City" (Oklahoma City)
 Eldorado: *** 96.9 PA: add class A (replaces
 proposal for 97.1 - A)
 Eufaula: KCES 102.5 QC from 102.3, now C3,
 10.5 kW, 505 ft, XC: 35-06-09 / 95-36-53
 Idabel: KQIB 102.9 NW, hot AC
 Lawton: KVRs 90.3 CX CP for 187 ft.
 Madill: KMAJ 102.5 GA: to 102.3 - A (going
 back to it's old frequency!)
 Magnum: KHIM 97.7 PA: to 104.3 - A
 Paul's Valley: *** 104.5 XA: add class A
 Sand Springs: KTFX 102.3 FC to rock, PC> 50 kW,
 492 ft, now C2, "Rock 102.3" (Tulsa)
 Tahlequah: KEOK 101.7 FC to adult contemp.
 Tipton: *** 97.7 PA: add class C2

Oklahoma:

Tishomingo: KAZC 88.3 FC to southern gospel
 Vinita: KITO 96.1 FC to Radio 1 country (&)
 Wagoner: KRQZ 95.5 PC> 6 kW, 276 ft,
 XC: 35-34-39 / 95-12-36
 Weatherford: KAYM 90.5 NO-RE
 Wynnewood: *** 104.5 GA: add class A

OREGON:

Baker: KKBC 95.3 PC> 6 kW
 Bonanza: KAOX 102.9 LC
 Florence: *NS 91.7 100w, 1601'
 Medford: KLDZ 103.5 CC (ex KOPE) "Oldies"
 Milton-Freewater: KTHK 97.9 adds Bob & Tom
 Sisters: KPXA 104.1 NO-GX
 Toledo: KPPT 100.7 NC to 25 kW, 446 ft, RX

PENNSYLVANIA:

Bellwood: WALY 103.9 PC> 380w, 918 ft.
 XC: 40-34-01 / 78-26-32
 Hazleton: WZMT 97.9 CX CP for 15 kW, 751 ft,
 DA, XC: 41-04-52 / 75-56-53
 Hershey: WHYL 102.3 FC to country // WRKZ
 Mansfield: WNTE 89.5 CX CP for 3,450 w., -157 ft,
 XC: 41-48-21 / 77-04-15
 Masontown: WYFU 88.5 CC (ex WLWJ)
 Pittsburgh: WVTV 96.1 FC to hot AC "Pittsburgh's
 New Mix 96.1"
 Pt. Matilda: WNCL 107.9 CC (ex WIKN), FC to oldies
 "Cool" (State College)
 Sharon: WYFM 102.9 PG< 33 kW, 604 ft,
 XG: 41-03-26 / 80-38-22
 W.Chester: WCUR 91.7 CC (NS)
 York: WVYC 88.1 CX CP for 99.7

COUNTRY 102

WHYL

RHODE ISLAND:

Providence: WBRU 95.5 NC to 50 kW, 492', GE (7th)

SOUTH CAROLINA:

Aiken: WKXC 99.5 PC> 24 kW, 712 ft,
 XC: 33-38-34 / 81-55-45
 Goose Creek: WSSP 94.3 FC to dance-CHR "The
 Beat"
 Greenville: WPLS 96.7 PC> 20w, 102 ft, QC from
 96.5, now commercial, XC: 34-55-13 / 82-26-17
 Greenwood: WZSN 103.5 CC (ex WMTY), FC to
 WW1 soft AC "Sunny" (&)
 Hartsville: WHSC 98.5 FC to modern rock "The
 Buzz" (Florence)
 Marion: WBZF 100.5 FC to hot AC "Star 100" (&)
 (Florence)
 Moncks Corner: WCOO 105.3 CC (ex WNST) "Cool"
 Pamplico: WMXT 102.1 FC to clas. rock "The Fox"
SOUTH DAKOTA:
 Dell Rapids: KSOB 95.7 LC
 Rapid City: *NS 106.3 100 kW, 997 ft.

TENNESSEE:

Graysville: WAYB 95.7 PC> 6 kW, 328 ft, DA,
 XC: 35-24-39 / 85-07-54
 Huntingdon: WVHR 100.9 FC to WW1 soft AC (&)
 Maryville: WGAP 95.7 FC to hot AC "Mix 95.7"

**Tennessee:**

Minor Hill: WEUP 92.1 NC to 2.6 kW, 479', GX
 Morristown: WMXK 95.9 FC to clas. country (&)
 Nashville: WKDF 103.3 adds Rick & Bubba (from
 Birmingham's WYSF 94.5)
 Oak Ridge: WOKI 100.3 adds John Boy & Billy
 Selmer: WXOQ 105.5 CX CP for 6 kW
 Tazewell: WCTU 94.1 FC to Radio 1 country (&)
 Tusculum: WSMG 103.1 FC to soft AC

TEXAS:

Ballinger: KKCX 103.1 CC (ex KCSE), FC to
 country
 Bishop: KFLZ 106.9 CX CP for 104.9 - A
 Borger: KAVO 91.5 PC> 310 w.
 Brownfield: KPBB 88.5 LC
 Clarendon: KEFH 99.3 NO-GX (2nd), PG< 44 kW
 (h), 522 ft.
 Coleman: KSTA 107.1 PC> 25 kW, 213 ft.
 Comanche: KOXZ 94.3 NW, to be Real Country (&)
 due on the air in March
 Corsicana: KDXX 107.9 FC to regional Mexican //
 KDXX-AM
 Crockett: KIVY 92.7 adds Real Country (&)
 Denver City: KAWY 97.5 NO-RX
 Eastland: KVMX 96.7 reported SI
 Eden: *** 104.5 PA: add class A
 Edna: KGUL 96.1 LC
 Flower Mound: KMEQ 96.7 CC (ex KNKI) "Cameo"
 Ft. Worth: KLTU 94.1 correcting last month, they
 still remain at 100 kW / 1590 ft.
 Goliad: KHMC 95.9 PC> 25 kW, 321 ft, DA, C3
 Granbury: KDXT 106.7 FC to regional Mexican //
 KDXX-AM
 Gregory: KKPX 104.5 LC
 Hondo: KRBH 98.5 NO-GE
 Huntsville: KUST 99.7 LC
 Katy: K201EU 88.1 NS-250w: KCZO 92.1
 Lamesa: KBKN 91.3 CC (NS)
 Lometa: KACQ 101.9 FC to Radio 1 country (&)
 Lubbock: KONE 101.1 inc. to 883 feet
 XC: 33-26-31 / 101-52-40
 Marshall: KZEY 103.9 adds Doug Banks
 Mt. Pleasant: KPXI 100.7 OSA to C3, PG< 8.1 kW,
 571 ft, XC: 32-09-07 / 95-03-27, CL: Overton,
 Texas
 Palacios: *** 98.3 PA: add class A
 Palestine: KYFP 89.1 PG> 25 kW, 420 ft, DA
 C2, XC: 32-00-13 / 95-43-06
 Paris: KBUS 101.9 GA: to 104.3 - C2
 Pittsburg: KSCN 96.9 CC (NS)
 Plainview: KKYN 103.9 adds WW1 country (&)
 Quanah: KIXC 100.9 FC to Radio 1 country (&)
 Port Arthur: KTJM 98.5 CC (ex KHYS) "The Jam"
 Sanger: KTPW 89.9 CC (ex KBJV)
 Seadrift: KMAT 105.1 NO-GE (4th)

Texas:

Springtown: KMQR 89.1 CC (ex KTPW)
 Sterling City: KCSE 96.5 CC (ex KKCX) "Sunny"
 Sulphur Springs: KSCH 95.9 CC (ex KDXE), FC to
 country
 Tahoka: KMMX 100.3 XC: 33-26-31 / 101-52-40
 Victoria: *** 104.3 XA to add class A

UTAH:

Ephraim: KAGJ 89.5 RA with alternative (license
 reinstated by the FCC)
 Levan: KBLN 91.1 CC (NS)
 Moab: KCYN 97.1 NW, country
 Randolph: KAIO 102.3 CC (NS)
 Richfield: KRFD 97.5 CC (ex KSGL)
 Roosevelt: KXRQ 94.3 LC
 Spanish Fork: KOSY 106.5 PC> 45 kW, 2758 ft.

VERMONT:

St. Johnsbury: WCKJ 90.5 NO-GE (3rd)
 St. Johnsbury: *** 100.3 PA: add class A
 Woodstock: WCKP 91.7 CC (NS)

VIRGINIA:

Chester: WDYL 101.1 CX CP for 93.1, 1350w,
 492 ft, XC
 Deltaville: WSRV 92.3 LC
 Emporia: WJYA 89.3 NW, cont. Christian // WJYJ
 90.5
 Front Royal: WFQX 99.3 FC to rock "The Fox"
 Mt. Jackson: WSIG 96.9 CX CP for 25 kW, 240'
 Petersburg: WPLZ 99.3 FC to R&B oldies
 Sweet Briar: WUDZ 89.9 QC from 91.5, now class
 A, 100w, 194', XC: 37-33-19 / 79-04-51
 Vinton: WZZI 101.5 FC to modern rock
 (Roanoke)
 Warrenton: WXNC 107.3 NO-RE
 Warrenton: WUPP 94.3 PC<2 kW, 574 ft,
 XC: 38-44-31 / 77-50-07

WASHINGTON:

Chehalis: KACS 90.5 CX CP for 187 ft.
 Dayton: KZZM 102.3 GA: to 101.9, C2, Weston,
 Oregon
 Ellensburg: KCSH 88.9 PG< 380w, 548 ft,
 XC: 47-10-02 / 120-45-50
 Ephrata: KULE 92.3 QC from 95.9, PC> 26 kW,
 672 ft., now C2, XC: 47-18-18 / 119-35-53
 Mabton: KLES 98.7 OSA to C3, 5.8 kW, 679'
 Omak: KQWS 90.1 LC
 Seattle: KZOK 102.5 NC to 58 kW, GE (4th)
 Yakima: KFFM 107.3 inc. to 1512 ft, XC: 46-38-
 26 / 120-23-45
 Yakima: KYPL 91.1 dec. to 748 ft.

WEST VIRGINIA:

Danville: WZAC 92.5 FC to Radio 1 country (&)
 Elkins: WBHZ 91.9 LC
 Grafton: WTBZ 95.9 FC to Radio 1 country (&)
 Huntington: WTCR 103.3 adds Nashville Nights
 New Martinsville: *** 92.3 GA: add class A
 New Martinsville: *** 99.5 GA: add class A
 Princeton: WKQY 100.9 PG< 520w, 1063 ft,
 XC: 37-15-05 / 81-11-20



WISCONSIN:

Adams: WDKM 106.1 FC to Radio 1 country (&
 Ashland: *** 102.9 PA: add class A
 Berlin: WBJZ 102.3 FC to Radio 1 Country (&
 Madison: WORT 89.9 CX for XC
 Marathon: WKQH 104.9 FC to classic rock
 Menomonie: WMEQ 92.1 NC to 18 kW, 699', RE
 Merrill: WMZK 104.1 PC> 24 kW, 617 ft.
 Milwaukee: WLUM 102.1 FC to rock
 Neenah: WROE 94.3 FC to soft AC // WLTM
 Nekoosa: WXEC 93.9 NO-GE (5th), XG: 44-13-19 /
 89-51-13

Stevens Point: WSPT 97.9 FC to modern AC
 Washburn: *** 104.7 PA: add class A

WYOMING:

Casper: KHOC 102.5 inc. to 1860 ft, XG: 42-44-
 37 / 106-18-31
 Ethete: KWRR 89.5 NO-GE (4th)
 Glendo: KUUY 100.1 OSA to C1, 55 kW, 456 ft,
 XG: 42-46-13 / 105-13-21
 Green River: KFRZ 92.1 LC
 Pine Bluffs: KASX 105.3 NO-RE
 Thermopolis: KBIK 101.7 CC (NS)

N. MARIANNA ISLANDS:

Garapan: KBLB 101.1 CC (NS)
 Garapan: KWAU 100.3 CC (ex KPXH)

PUERTO RICO:

Carolina: WVOZ 107.7 NC to 12 kW, 2758', RE
 Mayaguez: WRUO 88.3 NW, info / variety // WRTU
 Vieques: WSAW 98.9 QG to 98.3 - A, PG< 760w,
 1958 ft, DA, XG: 18-16-44 / 65-51-12, CL: Las
 Piedras, PR

VIRGIN ISLANDS:

Charlotte Amalie: WVGW 107.3 NO-GX

**CANADA****ALBERTA:**

High Level: CFKX 106.1 CC (NS) "Kicks Country"
 Hinton: *NS 94.5 xltr of CISO 103.9 wanted
 Hinton: *NS 99.3 xltr of CFMI 101.1 wanted.
 The power on both of these would be 7.4 w
 Medicine Hat: CFMY 96.1 QC from 1390, now 100
 kW, CC (ex CJCY), SG "My 96"

BRITISH COLUMBIA:

Big White Mtn: CILK1 103.9 NW, AC // CILK-FM
 Big White Mtn: CKBL1 ? changes primary station
 from CKBL to CHSU (call change should then
 follow)
 Granisle: CHFI- 99.9 NW, 1 watt relay
 Granisle: CISO- 100.5 NW, 1 watt relay
 Granisle: CJFW 101.9 NW, 1 watt relay
 Whistler: CFOX-1 92.3 NW, rock // CFOX 99.3

MANITOBA:

Cranberry Portage: *NS 96.9 18w wanted // CINC
 Churchill: *NS 102.1 new station wanted to be //
 WJCG (see below)
 Ft. Alexander: CINC ? deleted translator here
 (area now covered by CICY Selkirk)
 St. Theresa Pt: CINC- 93.5 NW, 35.8w relay
 Thompson: CINC 96.9 new xltr granted, 17.6w

NEW BRUNSWICK:

Grand Sault: CIKX 93.5 CC (NS) "K-93"

NORTHWEST TERRITORIES:

Cambridge Bay: *NS 101.9 110w wanted // CFFB
 Kugluktuk: *NS 101.9 110w wanted // CFFB

ONTARIO:

Cornwall: CJSS 101.9 wants 101.9 - 3 kW
 Lafontaine: CFRH-3 101.9 NO-CX-DE (due to power
 increase at primary)
 Midland: CFRH-2 101.9 NO-CX-DE (due to power
 increase at primary)
 Paris: *NS 90.7 4 kW, // CBL 99.1
 Penetanguishene: CFRH 101.9 QG to 88.1, PG >
 4,493 watts
 Perkinsfield: CFRH-1 101.9 NO-CX-DE (due to
 power increase at primary)
 Sarnia: CKTY 1110 QG to 106.3 - 35 kW
 S. Baymouth: *NS 89.9 0.08 w, for ferry service
 information to Tobermory (April - November)
 Tobermory: *NS 89.9 0.08 w, for ferry service
 information to S. Baymouth (April - November)
 Toronto: CISS 92.5 FC to CHR "Power 92"

QUÉBEC:

Rouyn-Noranda: KCRN 1400 wants 95.7 with 26.1
 kW (already has CP for 98.3 w/862 w)
 St-Hyacinthe: CFEI 106.5 PG> 3 kW
 Trois-Pistoles: CIBM-2 104.9 PC> 183 w.

SASKATCHEWAN:

Big River 1st Nation Reserve: *NS 95.7 NS-
 38watts, relaying CJRL-FM

**MEXICO****CHIHUAHUA:**

Cd. Juarez: XHH 100.7 SG "Magia Digital"

COAHUILA:

Cd. Acuña: XHHAC 100.7 SG "La Suavecita"

GUERRERO:

Atoyac: XHAYA 100.9 SG "Estereo Sol"

QUINTANA ROO:

Cancun: XEYI 93.1 NW, "Mix"

TABASCO:

Villahermosa: XHSAT 90.1 "Radio AICR"

VERACRUZ:

Coatzacoalcas: XHOM 107.9 NW, "Estereo
 Amistad"
 Orizaba: XEEP 100.3 NW, "Estereo Amistad"



PIRATE WATCH:

❖ **NEWARK, DE.** A 95.3 has been noted in this town, with about 10 watts, and fair audio quality. Mostly 70's rock and R&B music, on what sounds like just a 5 disk CD changer hooked up to a transmitter.

❖ **PALM BEACH GARDENS, FL.** The FCC has shut down yet another pirate in South Florida, according to the Feb. 10th *M Street Journal*. (See FCC Report CI-99-6). No frequency, format, or power are currently available. In this case, the U.S. Marshals and U.S. Attorney's office seized the offending equipment.

❖ **LANCASTER, PA.** A Spanish language pirate has been noted here, with mostly speaking (or yelling), and not music, on 106.3. Signal could be about 200 watts, as it gets out over 12 miles. This is on the air frequently. Thanks to Dan Oetting for these items!

- There has been a development on the DAB front. Recently, most major broadcasters had aligned themselves with USA Digital's technology for this field. However, Lucent Digital Radio has unveiled what they are terming "Multi-Streaming" DAB technology. The greatest bragging point of this new version of DAB is a coverage area that should rival that of current analog stations. An initial concern about DAB was how it suddenly "drops out" when the signal drops below a threshold, not producing very large coverage areas. This would be a dramatic change to the gradual fade-outs we are used to while moving farther away from a station. A DAB station sounds "perfect", but then immediately vanishes. The new technology handles this problem, and works on AM as well as FM. Lucent is offering DAB broadcasters royalty-free licenses for this system, to be tested later in the year.

- The Branson Country Music Network ceased operations on January 31st. This affected several stations, especially in Arkansas & Missouri, but also some affiliates in other parts of the country. Look for new formats for all of their affiliates (though most are sticking with country, from other satellite services, especially Radio 1)

- The FCC is also working on another proposal to allow some AM stations to use FM translators at night. Most AM-only radio operations are in favor of this, of course. Nothing finalized yet.

- Another major Notice of Proposed Rulemaking has been released by the FCC,

regarding low power FM, or "LPFM". This would not be the final step in the process, but here is what has happened so far: There would be two, or three new FM station classes created: *LP-1000*: A low power station with ERP of 1 kW, and antenna height of 60 meters, with a service radius of about 8.8 miles. These stations would be bound by "most of all of the rules applicable to full-power broadcasters." *LP-100* stations would have an ERP of 100 watts at 30 meters, with a service radius of 3.5 miles. Most service rules would not apply to these stations. Finally, in this rulemaking, the FCC is also proposing a *Microradio* class, which would have an ERP of 1 to 10 watts, 30 meter antenna height, and a service radius of 1 to 2 miles. Another stipulation for all three classes is that current station licensees could not own any of the new class stations, or even operate one with a LMA. A few additional answers from the FCC: *How will competition for one frequency be handled?* Currently the plan is to use an auction, but alternatives are being sought out, as this process might not be the best way to encourage diversity, because it would price smaller groups out of the market. *Is there a limit on ownership?* Yes, one station per market, and perhaps 5 to 10 nationally. The LPFM signals could not be used to translate a full-power station. *Is anyone eligible?* Probably. *M Street* notes that even very unpopular groups such as the KKK would be eligible for a license under the current rules. *What would be the commercial status of the stations?* Yet to be determined. The commission is awaiting public input before a decision in this area. There is quite a bit of concern about how this proposal could affect existing full power stations. The FCC promises to investigate this fully. They are planning to protect full-power stations from co-channel and adjacent channel interference from LPFMs, but possible not from second-channel. (i.e. An LPFM could exist on 102.1, where there is a full power 102.5 in existence). This obviously could be a very important rule-making for FM DXers, and the future of the FM band in general, so I'll certainly keep you posted on any other developments in this area. Jim Thomas also sends in an interesting URL on this topic that he stumbled upon: <http://www.concentric.net/~radiotv/> This is a very pro-LPFM site, but contains very interesting information. It also claims that the FCC is offering "amnesty" to first time pirate-radio offenders, and is willing to consider applications by those persons for LPFMs. There is a lot of good technical information on this page, as well as a link to the FCC's official site regarding the low power FM issue: <http://www.fcc.gov/mmb/prd/lpfm>

• More updates on the LPFM situation ... The February 10th *M Street Journal* describes a table of potential LPFM allocations for major metro markets. I am not sure if this is available on the FCC website (<http://www.fcc.gov>) but it would sure be interesting to look at! This release illustrated just how many possible LPFM's could result from the new proposal, and thusly, how much FM DXing could change. As has been described elsewhere, I see negatives and positives to this: On the plus side, there are many more interesting trop and skip

103.7
THE NEW

targets for the DXer.

However, it also means more locals to get around. Hopefully, their lower power will mean they will not be as bad as a full-power local, unless you are right on top of them. As a listener, not a DXer, I hope it could also mean more variety of programming options to choose from on my FM dial! (rather than endless stations running very similar formats, IMHO). Anyway, depending on how the final interference criteria are determined, Las Vegas could receive 21 new LP-1000 class stations, 13 in San Antonio, and 11 in Phoenix. Markets that already very crowded would not be affected as severely, as New York has no new LP-1000 slots, and Houston has only 5, for example. As far as LP-100 outlets, there is room for many more. Nashville could get as many as 37 new FMs, 36 for Columbus, Ohio, and 40 for San Antonio! Certainly, at that power, these could not cover these whole cities, so for the DXer, it would be like getting 40 semi-locals, not locals. The NAB has been fighting the proposal, citing interference concerns, and also the possibility that having so many stations could negatively impact In-Band On-Channel DAB development. There will certainly be more to come on this issue!

• Note the application for a translator at Churchill, Manitoba above. Cyril Paul Freudland has applied to translate WJCG Monee, Illinois (Moody Bible Institute) in that Canadian town. This would be, if granted, the first time a Canadian translator of a U.S. station was licensed. However, barring, a CRTC policy change, this one will likely be denied.

• Jacor will soon debut a regional country programming network for Ohio, called "Buckeye Country Network". The programming will inate at WCOL 92.3, in Columbus. WBKI

106.5 Greenville-Dayton has already signed up to simulcast this nighttime service, but Jacor expects perhaps a half-dozen more affiliates in the Buckeye State. They are also looking at trying the same thing out west, with a regional oldies format, programmed out of Las Vegas.

• Thanks to Shawn Axelrod for forwarding an item on the AMFMTVDX list server from CKVN 106.3 in Winnipeg (a "Special Events" frequency station). This notice mentioned plans by CBC to start a new nationwide network, called "Radio 3", to debut by the end of the year 2000. CBC wants the 106.3 frequency in Metro Winnipeg for the new service. If this full power service was granted, CKVN would have to seek a new frequency. More information on CKVN can be found at <http://www.mts.net/~ckvnfm>

• David Cox sends an item from the 2/11/99 *Birmingham News* (Ala.) regarding a new station on the air in that city. WQEM 101.5 (Columbiana, AL) has applied to the FCC to allow repositioning of its tower closer to Birmingham. The station was expected to be on the air in six months. The frequency is licensed to Capstar Communications, which also owns WERC 960, WMJJ 96.5, WOWC 102.5, and WQEN 103.7 in that market. The similarity of the WQEN & WQEM calls has prompted speculation on a possible simulcast of these two stations, but GM Bill Thomas refused to discuss plans for WQEM, other to say it would be on the air in a few months. With WQEN 103.7 located in Gadsden, north of Birmingham, and WQEM 101.5 south of Birmingham, one has to wonder if a simulcast is indeed what is in the works.

• We all heard about the election of former pro-wrestler Jesse "The Body" Ventura as the new governor of Minnesota. Well, one of the early proposals of this conservative-libertarian governor is to eliminate all funding to the well-known Minnesota Public Radio Network. *M Street*, however, notes that state aid now only accounts for about 2% of MPR's operating budget, thanks to a very successful for-profit direct marketing effort. Recall that MPR has many affiliates around the state (in "two" networks, like Wisconsin) and even has stations in neighboring states such as South Dakota, Wisconsin, and Iowa.

WSEN 100.5 FM
Duluth/Superior

KXLC 91.1 FM
La Crescent/La Crosse

KJOW 91.1 FM
Minneapolis/Saint Paul

KCCD 90.3 FM
Moorhead/Fargo

KZSE 90.7 FM
Rochester

KNSR 88.9 FM
St. Cloud/Collegeville

KNGA 91.5 FM
St. Peter/Mankato

KNTN 101.7 FM
Thief River Falls

• The format change above at WVTY 96.1 Pittsburgh (hot AC "Mix 96.1") is "hot off the press", sent to me by Jeff Kitsko just before deadline. Jeff notes the station has undergone many format changes in this decade, beginning as "Gold 96" and oldies as WHTX (calls the station had since before 1977), then WVTY from 1992-1997, a/c "Variety 96". In 1997 the station changed to Modern AC "The River", which has only lasted two years. No word yet on a call letter change to reflect the "Mix" slogan. The station has also carried the Pittsburgh Steelers

on occasion (and may pick them up again, now that WEAE AM 1250 is changing to a Disney format). Jeff believes that 96.1 is now relocating to Greentree, with two other Chancellor stations in town: WXDX 105.9 and WDVE 102.5. WJJJ 104.7 and WWSW 94.5 are also owned by Chancellor, but are located at Allegheny Center on the North side of Pittsburgh.

• Thanks to Doug Smith, for LPFM and Canadian information, and Fernando Garcia, for information on new Mexican stations!



1998 FINANCIAL REPORT

Prepared by Dave Janowiak, Comptroller

Opening Balance as of January 1, 1998 ----- **\$3,986**

Receipts:

Revenue from dues and sample sales:	\$7,909
Interest	96
Total Income	\$8,005

Expenses:

Publishing (10/97 - 12/98)	\$7,305
Miscellaneous (stamps, memberships, post office box rental, subscriptions, nsf checks, photo work):	495
Total Expenditures	\$7,800

Operating Margin (receipts minus expenses) \$ 205

Closing Balance as of December 31, 1998 ----- **\$4,191**

(NOTE: In 1998, the WTFDA showed an operating margin of \$205, this was significant because publishing expenses were for 16 months [August 1997 through December 1998] rather than 12.)

STATISTICS

Featuring FM/TV Scoreboards, All Time Distance Records,
States Stats and Personal Best Statistics of FM/TV DXers.

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1/30/99

ALL-TIME FM DISTANCE RECORDS

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MHZ	PR	CALL	LOCATION	MILES	DXEFST
88.1	ES	WCRP	PR GUAYAMA	2280	DBU-OK
88.1	TR	KLON	CA LONG BEACH	2490	SRE1HI
88.1	MS	WPAR	NC CLAREMONT	1325	DAL- CO
88.1	AU	CBAF29	PE CHARLOTTETOWN	791	DNI-INY
88.3	ES	WNIN	IN EVANSVILLE	1872	JIE2 CA
88.3	TR	KPAC	TX SAN ANTONIO	1040	MJE- FL
88.3	MS	WRBH	LA NEW ORLEANS	1105	DNI-INY
88.3	AU	WNIN	IN EVANSVILLE	947	DAL- CO
88.4	ES	TGRT	GU GUATEMALA	1136	GHA- TX
88.5	ES	WHCF	ME BANGOR	1955	PDY- TX
88.5	TR	KQED	CA SAN FRANCISCO	2357	SRE1HI
88.5	MS	WFDD	NC WINSTON-SALEM	1161	GHA- TX
88.5	AU	WAMU	DC WASHINGTON	934	JEB- MN
88.7	ES	KFGS	TX CORPUS CHRISTI	2029	MCH- BC
88.7	TR	KFAC	CA SANTA BARBARA	2417	SRE1HI
88.7	MS	WHA	WI MADISON	1060	GHA- TX
88.7	AU	WHA	WI MADISON	684	FMC- ND
88.8	ES	TGRT	GU GUATEMALA	1148	PDY- TX
88.9	ES	WSHA	NC RALEIGH	2069	FAD1 ID
88.9	TR	XXLU	CA LOS ANGELES	2491	SRE1HI
88.9	MS	WMBW	TN CHATTANOOGA	1122	DAL- CO
88.9	AU	WMBW	TN CHATTANOOGA	745	FNO- NY
89.5	ES	YSR1	ES SAN SALVADOR	1246	PDY- TX
89.1	ES	HI-	DR SANTO DOMINGO	1967	FME1IL
89.1	TR	WUFT	FL GAINESVILLE	978	PDY- TX
89.1	MS	WBSN	LA NEW ORLEANS	1105	DNI-INY
89.1	AU	KMUW	KS WICHITA	651	RBR- MI
89.2	ES	XEJT	MEX TAMPICO	974	GHA2 OK
89.3	ES	WGNE	WI GREEN BAY	1812	JIE4 CA
89.3	TR	WRTP	FL GOULDS	1066	SW11 TX
89.3	MS	WHKW	WI CHILTON	1168	GHA- TX
89.3	AU	WCAL	MN NORTHFIELD	712	SCH- ON
89.4	ES	TGDO	GU QUETZALT	1168	GHA- TX
89.5	ES	XHME	MEX PUERTO VALLARTA	1560	JIE4 CA
89.5	TR	XHME	MEX PUERTO VALLARTA	3241	SRE1HI
89.5	MS	KENW	NM PORTALES	1072	RST- IN
89.5	AU	WPKN	CT BRIDGEPORT	798	ABO- IL
89.6	ES	TGDX	GU GUATEMALA	1136	GHA- TX
89.7	ES	WUSF	FL TAMPA	2366	JIE2 CA
89.7	TR	KSGN	CA RIVERSIDE	2540	SRE1HI
89.7	MS	KGCC	TX DENISON	1131	LVO- VA
89.7	AU	WGBH	MA BOSTON	914	ABO- IL
89.9	ES	WFCT	FL JACKSONVILLE	1629	FMC- ND
89.9	TR	KBNL	TX LAREDO	1032	CHO1 FL
89.9	MS	WTLR	PA STATE COLLEGE	948	MHA- NE
89.9	AU	WHSA	WI BRULE	478	FMC- ND
90.5	ES	YSU	ES SAN SALVADORE	1223	GHA- TX
90.1	ES	KPFT	TX HOUSTON	2001	MNI- BC
90.1	TR	KCBX	CA SAN LUIS OBISPO	2383	SRE1HI
90.1	MS	WMBI	IL CHICAGO	1063	GHA- TX
90.1	AU	KSJR	MIN COLLEGEVILLE	767	SCH- ON
90.3	ES	KKED	TX CORPUS CHRISTI	1568	FNO- NY
90.3	TR	XHPVA	MEX PUERTO VALLARTA	3241	SRE1HI
90.3	MS	WHLA	WI HOLMEN	1091	GHA- TX
90.3	AU	WBCL	IN FT WAYNE	704	FMC2 ND
90.5	ES	WSMC	TN COLLEGE DALE	2057	JIE2 CA
90.5	TR	KHSU	CA ARCATA	2374	SRE1HI

MHZ	PR	CALL	LOCATION	MILES	DXEFST
90.5	MS	KXCV	MO MARYVILLE	985	FNO- NY
90.5	AU	CBHA	NS HALIFAX	1026	FME- OH
90.7	ES	KWUU	MO ST LOUIS	1724	JIE2 CA
90.7	TR	KPKF	CA LOS ANGELES	2491	SRE1HI
90.7	MS	KDTD	TX PLAINVIEW	1350	WHE- ON
90.7	AU	KWUU	MO ST LOUIS	850	JFE- NJ
90.9	ES	KOMW	MO WARRENSBURG	1534	JJE- CA
90.9	TR	KCBI	TX DALLAS	962	JCO- FL
90.9	MS	CBX	AT EDMONTON	1170	JIE2 CA
90.9	AU	KUNI	IA CEDAR FALLS	589	FMC- ND
91.1	ES	JBC-2	JAM COOPER'S HILL	1953	JPI- J NM
91.1	TR	XETRA	MEX TIJUANA	2536	SRE1HI
91.1	MS	KSJN	MN ST PAUL	1123	GHA- TX
91.1	AU	KANZ	KS GARDEN CITY	841	KPU- AL
91.3	ES	WIPR	PR SAN JUAN	1806	CHO- OH
91.3	TR	WTHS	FL MIAMI	1148	GHA- TX
91.3	MS	CKUA	AT DRUMHELLER	1055	JIE2 CA
91.3	AU	WCNY	NY SYRACUSE	530	RBR- MI
91.5	ES	RJR	JAM ORACABESSA	1953	JPI- J NM
91.5	TR	WJYO	FL FT MYERS	968	SW11 TX
91.5	MS	WHMD	WI SURING	1219	GHA- TX
91.5	AU	WRPI	NY TROY	512	FME- MI
91.7	ES	WXPR	WI RHINELANDER	1752	JIE4 CA
91.7	TR	XXHL	MEX MONTERREY	1101	CHO- FL
91.7	MS	KOSU	OK STILLWATER	1055	WHE- ON
91.7	AU	KRSW	MN WORTHINGTON	859	DNI- INY
91.9	ES	WSJU	IL CARBONDALE	1748	JPI1 CA
91.9	TR	KCSB	CA SANTA BARBARA	2417	SRE1HI
91.9	MS	KQSD	SD LOWRY	1029	KPU- AL
91.9	AU	WSJU	IL CARBONDALE	741	FMC2 ND
92.5	ES	XEBJ	MEX CD VICTORIA	873	GHA2 OK
92.1	ES	CJAJ	AT CALGARY	1766	DNI- INY
92.1	TR	CKY	MB WINNIPEG	842	FME- MI
92.1	MS	WJGA	GA JACKSON	929	SGR- IA
92.1	AU	WYXE	WI SUN PRAIRIE	260	ABO- IL
92.15	ES	CMBC	CUB HABANA	1299	GHA2 OK
92.3	ES	WDBO	FL ORLANDO	1743	FMC- ND
92.3	TR	KKBT	CA LOS ANGELES	2491	SRE1HI
92.3	MS	WVAE	MI DETROIT	1176	DAL- CO
92.3	AU	KLIQ	OR PORTLAND	1017	FMC- ND
92.5	ES	HIDG	DR SANTO DOMINGO	1967	FME1IL
92.5	TR	XHRM	MEX TIJUANA	2536	SRE1HI
92.5	MS	KAFM	TX DALLAS	1466	JJE- CA
92.5	AU	WMIH	OH TOLEDO	749	FMC2 ND
92.7	ES	WMCF	FL STUART	1503	BEL2 MN
92.7	TR	WZZR	FL STUART	1070	SW11 TX
92.7	MS	CJJB	ON LONDON	647	KPU- AL
92.7	AU	KBCR	NE O'NEILL	425	FMC- ND
92.9	ES	WSDX	MN DULUTH	1644	JJE- CA
92.9	TR	XHMZO	MEX MANZANILLO	3458	SRE1HI
92.9	MS	KITY	TX SAN ANTONIO	1251	CHO- OH
92.9	AU	WVNY	VT BURLINGTON	841	ABO- IL
93.1	ES	KAMA	TX EL PASO	1804	ND1- MD
93.1	TR	KOGD	CA LOS ANGELES	2491	SRE1HI
93.1	MS	CKJH	NB FREDERICTON	1307	KPU- AL
93.1	AU	XHAA	TM REYNOSA	918	KPU- AL
93.2	ES	XHQO	MEX MONTERREY	1385	RBR- MI

MHZ	PR	CALL	LOCATION	MILES	DKEF ST
93.2	TR	KHQQ	MEX MONTERREY	274	GHA-TX
93.3	ES	KPLV	TX PORT LAVACA	1533	WNI-NJ
93.3	TR	KZOZ	CA SAN LUIS OBISPO	2383	SRE1 HI
93.3	MS	KYKR	TX PORT ARTHUR	1195	PSA-ON
93.3	AU	WBBW	OH YOUNGSTOWN	690	JEB-MN
93.5	ES	KRKZ	OK ALTUS	1515	CBE-NY
93.5	TR	KFOX	CA REDONDO BEACH	2480	SRE1 HI
93.5	MS	WKRY	FL KEY WEST	1100	RST-IN
93.5	AU	KWMG	NE COLUMBUS	452	JEB2 MN
93.7	ES	WJIT	PR SAN JUAN	2263	RCC-OK
93.7	TR	KDB	CA SANTA BARBARA	2417	SRE1 HI
93.7	MS	WCCM	MA LAWRENCE	1501	RCC-OK
93.7	AU	KWYR	SD WINNER	652	ABO-IL
93.9	ES	KILO	CO COLORADO SPRINGS	1835	ECO-MA
93.9	TR	KOLA	CA LOS ANGELES	2491	SRE1 HI
93.9	MS	WWWL	FL MIAMI BEACH	1306	SCH-ON
93.9	AU	KKLS	SD RAPID CITY	838	ABO-IL
94	ES	XET	MEX MONTERREY	1382	JEB-MN
94.1	ES	WOYE	PR MAYAGUEZ	2263	RBR1 IA
94.1	TR	KFSD	CA SAN DIEGO	2531	SRE1 HI
94.1	MS	KBTO	TX BEAUMONT	1192	PSA-ON
94.1	AU	KCKN	KS KANSAS CITY	881	DNI-INY
94.3	ES	KVFM	CA SAN FERNANDO	1510	DMO-IA
94.3	TR	KIKF	CA GARDEN GROVE	2503	SRE1 HI
94.3	MS	WGMX	FL MARATHON	1272	DHA-ON
94.3	AU	WPRE	WI PRAIRIE DU CHIEN	777	DAL-CO
94.5	ES	KELT	TX HARLINGEN	2110	MCH-BC
94.5	TR	KELT	TX HARLINGEN	934	CHO-FL
94.5	MS	KTSP	MN ST PAUL	1113	PDY-TX
94.5	AU	WKQL	MI GRAND RAPIDS	1047	DAL-CO
94.7	ES	KAMX	TX LULING	1746	SSO-MA
94.7	TR	KAPT	TX LULING	919	CHO-FL
94.7	MS	KGRW	TX FRIONA	1379	WHE-ON
94.7	MS	KSET	TX EL PASO	1160	ABO-IL
94.7	AU	WPTF	NC RALEIGH	512	FME-MI
94.8	ES	TGDX	GU GUATEMALA	1136	GHA-TX
94.9	ES	WINZ	FL MIAMI BEACH	1948	FMC-ND
94.9	TR	WINZ	FL MIAMI BEACH	1152	GHA-TX
94.9	MS	WPCB	GA DECATUR	1342	FMC-ND
94.9	AU	KGGG	IA DES MOINES	628	DAL-CO
95	ES	ZFB	BER HAMILTON	1374	RBR-MI
95.1	ES	KRDO	CO COLORADO SPGS	1575	NDI-1MD
95.1	TR	KFRG	CA SAN BERNARDINO	2547	SRE1 HI
95.1	MS	WLST	WI MARINETTE	1146	RSA-TX
95.1	AU	KICT	KS WICHITA	651	RBR-MI
95.3	ES	KUIC	CA VACAVILLE	1995	KPU-AL
95.3	TR	KWBR	CA PISMO BEACH	2383	SRE1 HI
95.3	MS	CKDS	ON HAMILTON	698	KPU-AL
95.3	AU	CKDS	ON HAMILTON	378	SRE-CT
95.4	TR	XHDX	MEX TAMPICO	491	GHA-TX
95.5	ES	WOVV	FL FT PIERCE	1619	FMC-ND
95.5	TR	KLOS	CA LOS ANGELES	2491	SRE1 HI
95.5	MS	KDCX	KS DODGE CITY	1195	JJE2 CA
95.5	AU	WHPE	MO HIGH POINT	604	SCH-ON
95.7	ES	WFID	PR RIO PIEDRO	1852	DNI-INY
95.7	TR	KKHI	CA SAN FRANCISCO	2357	SRE1 HI
95.7	MS	KOYN	CA TWENTYNINE PALMS	2028	DHA-ON

MHZ	PR	CALL	LOCATION	MILES	DKEF ST
95.7	AU	KROA	NE GRAND ISLAND	788	KPU-AL
95.9	ES	WMQA	WI MINOCQUA	1752	JJE4 CA
95.9	TR	KKOS	CA CARLSBAD	2527	SRE1 HI
95.9	MS	KEYE	TX PERRYTON	1016	WHE-ON
95.9	AU	KHDL	MN FARIBAULT	477	FMC-ND
96.1	ES	KEZF	ID IDAHO FALLS	1633	MSI-TN
96.1	TR	KSLY	CA SAN LUIS OBISPO	2383	SRE1 HI
96.1	MS	KID	ID IDAHO FALLS	1224	PDY-TX
96.1	AU	WKLS	GA ATLANTA	588	RBR-MI
96.3	ES	WBBM	IL CHICAGO	1842	JJE2 CA
96.3	TR	KSFG	CA LOS ANGELES	2491	SRE1 HI
96.3	MS	WMYQ	FL MIAMI	1056	ABO-IL
96.3	AU	WJR	MI DETROIT	542	JEB-MN
96.5	ES	WMDD	PR FAJARDO	1958	ABO-IL
96.5	TR	KYXY	CA SAN DIEGO	2531	SRE1 HI
96.5	MS	KXTR	MO KANSAS CITY	1254	PGE-MA
96.5	AU	WTIC	CT HARTFORD	565	FME-MI
96.7	ES	KHFI	TX GEORGETOWN	1477	JFE-NJ
96.7	TR	KWIZ	CA SANTA ANA	2505	SRE1 HI
96.7	MS	WBOK	WI ALGOMA	832	JZO-OK
96.7	AU	WJOL	IL JOLIET	349	JEB-MN
96.9	ES	CBUF3	BC TERRACE	1546	DAL-CO
96.9	TR	WINK	FL FT MYERS	1037	PDY-TX
96.9	MS	WCOZ	KY LEXINGTON	1113	DAL-CO
96.9	AU	WLAY	MI GRAND RAPIDS	1047	DAL-CO
97.1	ES	WFOG	GA GAINESVILLE	2140	JJE2 CA
97.1	TR	KLSX	CA LOS ANGELES	2491	SRE1 HI
97.1	MS	KWEH	AR CAMDEN	1076	SCH-ON
97.1	AU	WCOW	WI SPARTA	591	FMC-ND
97.3	ES	KLCE	ID BLACKFOOT	1982	CHO-FL
97.3	TR	KSON	CA SAN DIEGO	2531	SRE1 HI
97.3	MS	KBUF	KS GARDEN CITY	1240	SCH-ON
97.3	AU	KKJQ	KS GARDEN CITY	841	KPU-AL
97.5	ES	KINT	TX EL PASO	1670	RSE-NY
97.5	TR	KHTX	CA RIVERSIDE	2540	SRE1 HI
97.5	MS	WHTY	CA SANTA BARBARA	1374	MHA-NE
97.5	AU	WAMZ	KY LOUISVILLE	1043	DAL-CO
97.7	ES	CBUF	BC VANCOUVER	1526	JPI-JNM
97.7	TR	KDUV	TX KINGSVILLE	933	CHO-FL
97.7	MS	CBUF	BC VANCOUVER	1143	DAL-CO
97.7	AU	CHOM	PQ MONTREAL	686	RBR-MI
97.9	ES	XETIA	MEX GUADALAJARA	2066	RSE-NY
97.9	TR	WJNO	FL PALM BEACH	1142	GHA-TX
97.9	MS	KTAG	WY CODY	1245	RST-IN
97.9	AU	WSIX	TN NASHVILLE	726	SCH-ON
98.1	ES	WTOF	OH CANTON	2050	FAD-OR
98.1	TR	KIFM	CA SAN DIEGO	2531	SRE1 HI
98.1	MS	WDFM	OH ALLIANCE	1275	DAL-CO
98.1	AU	KHAK	IA CEDAR RAPIDS	733	DAL-CO
98.3	ES	WCQN	WI PARK FALLS	1713	JJE4 CA
98.3	TR	WRTO	FL GOULDS	1066	SWH-TX
98.3	MS	WLGW	FL GOULDS	1214	DHA-ON
98.3	AU	KQYB	MN SPRING GROVE	764	DAL-CO
98.5	ES	KPAC	TX PORT ARTHUR	1650	RWC-AT
98.5	TR	KSAY	CA FT BRAGG	2338	SRE1 HI
98.5	MS	WTFM	TN KINGSPORT	1207	JPI-JNM
98.5	AU	WSB	GA ATLANTA	588	RBR-MI

MHZ	PR	CALL	LOCATION	MILES	DIST
98.5	ES	TGHR	GU GUATEMALA	1503	JPI-JNM
98.7	ES	KMGO	IA CENTERVILLE	1568	JUE2 CA
98.7	TR	KYSR	CA LOS ANGELES	2491	SRE1 HI
98.7	MS	KMML	TX AMARILLO	1125	JUE4 CA
98.7	AU	WBFG	MI DETROIT	536	MBU-CT
98.9	ES	KUTZ	TX LAMPASAS	1509	WNI-NJ
98.9	TR	KSRY	CA SAN FRANCISCO	2357	SRE1 HI
98.9	MS	CIZL	SK REGINA	1173	RST-IN
98.9	AU	WSPA	SC SPARTANBURG	552	RBR-MI
99.1	ES	KCLV	NM CLOVIS	1580	FNO-NY
99.1	TR	KXFM	CA SANTA MARIA	2388	SRE1 HI
99.1	MS	WQBK	FL JACKSONVILLE	1188	JEB-MN
99.1	AU	KBVM	ID IDAHO FALLS	608	FMC-ND
99.3	ES	WKCN	FL FT MYERS	1594	DAL-CO
99.3	TR	KMXX	CA IMPERIAL	2625	SRE1 HI
99.3	MS	WEDR	FL MIAMI	1159	DHA-ON
99.3	AU	WAEW	TN CROSSVILLE	258	ABO-IL
99.5	ES	WDMG	GA DOUGLAS	2260	JUE2 CA
99.5	TR	KKLA	CA LOS ANGELES	2491	SRE1 HI
99.5	MS	WQAY	DC WASHINGTON	1382	FMC-ND
99.5	AU	WKDQ	KY HENDERSON	568	JEB-MN
99.7	ES	XHPL	MEX CD ACUNA	1815	MBU-CT
99.7	TR	KFR	CA SAN FRANCISCO	2357	SRE1 HI
99.7	MS	WJMI	MS JACKSON	1177	MBU-CT
99.7	AU	KFMH	IA MUSCATINE	757	DAL-CO
99.9	ES	KTSM	TX EL PASO	1670	RSE-NY
99.9	TR	KTYD	CA SANTA BARBARA	2417	SRE1 HI
99.9	MS	KTQM	NM CLOVIS	1069	JUE2 CA
99.9	AU	KGOR	NE OMAHA	698	KPU-AL
100.1	ES	XHJT	MEX TAMPICO	1492	MS11 NC
100.1	TR	WEEJ	FL PORT CHARLOTTE	1019	PDY-TX
100.1	MS	CBRX	AT LETHBRIDGE	946	JUE2 CA
100.1	AU	WIVE	VA ASHLAND	564	RBR-MI
100.3	ES	KTEX	TX BROWNSVILLE	1595	GCO-NY
100.3	TR	KTXF	TX BROWNSVILLE	926	CHO-FL
100.3	MS	KSFI	UT SALT LAKE CITY	1844	KRI-IN
100.3	AU	WZEN	IL ALTON	712	SCH-ON
100.5	ES	KSFX	NM ROSWELL	1735	JFE-NJ
100.5	TR	KBDR	TX MIRANDO CITY	913	MS12 FL
100.5	MS	WKFK	MI CARROLLTON	1141	DAL-CO
100.5	AU	WWKI	IN KOKOMO	692	FMC-ND
100.7	ES	WUSY	TN CLEVELAND	2064	JUE2 CA
100.7	TR	KFMB	CA SAN DIEGO	2531	SRE1 HI
100.7	MS	WMJR	FL FT LAUDERDALE	1260	GHA2 OK
100.7	AU	KGBI	NE OMAHA	554	FMC-ND
100.9	ES	KJCO	CO YUMA	1453	NDI-IL
100.9	TR	WPGA	GA PERRY	946	SW11 TX
100.9	MS	WALX	AL SELMA	923	JEB-MN
100.9	AU	KQAD	MN LUVERNE	406	FMC-ND
101.1	ES	CFMI	BC NEW WESTMINSTER	1827	RBR-MI
101.1	TR	KRTH	CA LOS ANGELES	2491	SRE1 HI
101.1	MS	KCKK	UT KANAB	1462	RST-IN
101.1	AU	WMZU	MO CARROLLTON	843	SCH-ON
101.3	ES	WVHR	VA HAMPTON	1492	FMC-ND
101.3	TR	KSTT	CA LOS OSOS	2375	SRE1 HI
101.3	MS	WSUE	MI SAULT STE MARIE	834	KPU-AL
101.3	AU	WEZO	NY ROCHESTER	1202	FMC-ND

MHZ	PR	CALL	LOCATION	MILES	DIST
101.5	ES	WKES	FL ST PETERSBURG	1533	FMC2 ND
101.5	TR	KGB	CA SAN DIEGO	2531	SRE1 HI
101.5	MS	CFMP	ON PETERBOROUGH	801	KPU-AL
101.5	AU	KSLS	KS LIBERAL	832	KPU-AL
101.7	ES	KTLO	OK TAHLEQUAH	1435	JPI1 CA
101.7	TR	KSOX	TX RAYMONDVILLE	936	CHO-FL
101.7	MS	NONE	NONE	0	-----
101.7	AU	WKZQ	SC MYRTLE BEACH	529	RSM-NJ
101.9	ES	WCIE	MA FALMOUTH	1576	FMC-ND
101.9	TR	KLIT	CA GLENDALE	2491	SRE1 HI
101.9	MS	KQXT	TX SAN ANTONIO	1050	RST-IN
101.9	AU	WRIG	WI WAUSAU	603	FMC-ND
102.1	ES	KLYX	TX HOUSTON	1506	JPI1 CA
102.1	TR	KIOZ	OK OCEANSIDE	2525	SRE1 HI
102.1	MS	KWES	TX MONAHANS	1156	JUE2 CA
102.1	AU	KFWO	TX FT WORTH	692	ABO-IL
102.3	ES	KPEZ	TX AUSTIN	1485	RSH-NJ
102.3	TR	KJLH	CA COMPTON	2490	SRE1 HI
102.3	MS	KRCQ	MI DETROIT LAKES	983	KPU-AL
102.3	AU	WWSR	VT ST ALBANS	698	RBR-MI
102.5	ES	WTSP	FL ST PETERSBURG	1414	BEL2 MN
102.5	TR	XHUAN	MEX TIJUANA	2536	SRE1 HI
102.5	MS	KDVL	ND DEVILS LAKE	1134	KPU-AL
102.5	AU	WBEN	NY BUFFALO	1731	JEB-MN
102.7	ES	KORD	WA RICHLAND	1912	KPU-AL
102.7	TR	KIIS	CA LOS ANGELES	2491	SRE1 HI
102.7	MS	KCY5	WA RICHLAND	1018	GHA2 NM
102.7	AU	KORD	WA RICHLAND	850	FMC-ND
102.9	ES	WCCO	MN MINNEAPOLIS	1571	JUE2 CA
102.9	TR	KCLX	CA SAN DIEGO	2531	SRE1 HI
102.9	MS	KMGQ	TX DALLAS	1274	SCH-ON
102.9	AU	WBSC	WI MILWAUKEE	473	SCH-ON
103.1	ES	CFMX	ON COBOURG	1511	PDY-TX
103.1	TR	KBJZ	CA SANTA MONICA	2476	SRE1 HI
103.1	MS	WFRZ	FL PLANTATION KEY	1122	RST-IL
103.1	AU	KJAM	SD MADISON	360	FMC-ND
103.3	ES	WDLV	FL BRADENTON	1524	DAL-CO
103.3	TR	KRUZ	CA SANTA BARBARA	2417	SRE1 HI
103.3	MS	KNTD	TX WICHITA FALLS	1346	JUE-CA
103.3	AU	WVEE	GA ATLANTA	548	FME2 OH
103.5	ES	KEY1	TX SAN MARCOS	1646	MBU-CT
103.5	TR	KOST	CA LOS ANGELES	2491	SRE1 HI
103.5	MS	KXNP	NE N PLATTE	1141	JUE4 CA
103.5	AU	KEY1	TX SAN MARCOS	1006	RST-IN
103.7	ES	WEZS	VA RICHMOND	1494	JPI-JNM
103.7	TR	KJQY	CA SAN DIEGO	2531	SRE1 HI
103.7	MS	KVIL	TX DALLAS	1274	SCH-ON
103.7	AU	KIHK	IA DAVENPORT	642	SCH-ON
103.9	ES	KUOO	IA SPIRIT LAKE	1448	JUE4 CA
103.9	TR	KACE	CA INGLEWOOD	2484	SRE1 HI
103.9	MS	CKWE	PQ MANIWAHI	1514	JTH-CO
103.9	AU	KKIX	AR LITTLE ROCK	926	GCO-NY
104.1	ES	KRBE	TX HOUSTON	1506	JPI1 CA
104.1	TR	KBOX	CA LOMPOC	2380	SRE1 HI
104.1	MS	KJQY	MN ST LOUIS PARK	1107	PDY-TX
104.1	AU	WIKY	IN EVANSVILLE	560	JEB-MN
104.3	ES	WKTC	NC TARBORO	1485	JPI-JNM

MHZ	PR	CALL	LOCATION	MILES	DXRST
104.3	TR	KBIG	CA LOS ANGELES	2491	SRE1 HI
104.3	MS	WOMC	MI DETROIT	983	FMC-ND
104.3	AU	WOMC	MI DETROIT	745	FMC2-ND
104.5	ES	WEAT	FL W PALM BEACH	1886	FMC-ND
104.5	TR	XELTN	MEX TIJUANA	2536	SRE1 HI
104.5	MS	KEXL	TX SAN ANTONIO	1103	RBR- MI
104.5	AU	WWST	OH WOOSTER	641	JEB- MN
104.7	ES	WYXX	MI ESCANABA	1886	JUE4 CA
104.7	TR	KBEY	CA GARBERVILLE	2381	SRE1 HI
104.7	MS	KIOV	SD SIOUX FALLS	898	SCH- ON
104.7	AU	KIOV	SD SIOUX FALLS	524	ABO- IL
104.9	ES	KYUF	TX UVALDE	1404	JUE4 CA
104.9	TR	KRPO	CA ROHNERT PARK	2358	SRE1 HI
104.9	MS	KTCH	NE WAYNE	941	DNI- INY
104.9	AU	WFXO	MS IUKA	761	GCO- NY
105.1	ES	KEAN	TX ABILENE	1499	WHE- ON
105.1	TR	KKGO	CA LOS ANGELES	2491	SRE1 HI
105.1	MS	WYOR	FL CORAL GABLES	1147	RSA- TX
105.1	AU	WSOM	OH SALEM	687	JEB- MN
105.3	ES	KONA	WA KENNEWICK	1902	KPU- AL
105.3	TR	KCBO	CA SAN DIEGO	2531	SRE1 HI
105.3	MS	WLTS	LA SLIDELL	1166	FNO- NY
105.3	AU	WDAS	PA PHILADELPHIA	611	RBR- MI
105.5	ES	WHRH	VA TAPPAHANNOCK	1430	FMC-ND
105.5	TR	KNC	CA LONG BEACH	2490	SRE1 HI
105.5	MS	WSMT	TN SPARTA	740	JEB- MN
105.5	AU	WXEZ	OH SYLVANIA	280	ABO- IL
105.7	ES	KRSE	WA YAKIMA	1975	KPU- AL
105.7	TR	KSTV	TX STEPHENVILLE	981	CHO1 FL
105.7	MS	KOZZ	NV RENO	1405	JEB- MN
105.9	AU	KXEL	IA WATERLOO	583	FMC-ND
105.9	ES	KKWA	MN WADENA	1484	JUE4 CA
105.9	TR	WAXY	FL FT LAUDERDALE	1146	GHA- TX
105.9	MS	KQTZ	OK HOBART	1354	FNO- NY
105.9	AU	KBTZ	CO DENVER	695	JEB- MN
106.1	ES	WKGO	MD CUMBERLAND	1445	JPI- NJM
106.1	TR	KWSP	CA SANTA MARGARITA	2388	SRE1 HI
106.1	MS	KLOO	OR CORVALLIS	459	JUE- CA
106.1	AU	KDNT	TX DENTON	660	ABO- IL
106.2	ES	VSB	BER HAMILTON	1055	DNI- INY
106.3	ES	KYOO	MO BOLIVAR	1557	JUE2 CA
106.3	TR	KYMS	CA SANTA ANA	2505	SRE1 HI
106.3	MS	KPAN	TX HEREFORD	1103	JUE2 CA
106.3	AU	KVVO	WY CHEYENNE	949	RBR- MI
106.5	ES	WSFL	NC BRIDGETON	1552	FMC-ND
106.5	TR	KKLQ	CA SAN DIEGO	2531	SRE1 HI
106.5	MS	WQLR	MI KALAMAZOO	1048	DAL- CO
106.5	AU	WDLB	WI MARSHFIELD	581	FMC-ND
106.7	ES	WYAY	GA GAINESVILLE	2140	JUE2 CA
106.7	TR	KROQ	CA PASADENA	2499	SRE1 HI
106.7	MS	WWWV	MI DETROIT	891	GHA2 OK
106.7	AU	KAZY	CO DENVER	695	JEB- MN
106.9	ES	KNRO	TX CONROE	1489	JPI1 CA
106.9	TR	X777	MEX ENSENADA	2550	SRE1 HI
106.9	MS	WYXX	AL BIRMINGHAM	956	JPI- NJM
106.9	AU	WSWT	IL PEORIA	557	FMC2 ND
107.1	ES	CIBM	PQ RIVIERE DU LOUP	1984	DAL- CO

MHZ	PR	CALL	LOCATION	MILES	DXRST
107.1	TR	KBAX	CA FALLBROOK	2536	SRE1 HI
107.1	MS	WAOA	FL MELBOURNE	879	RST- IN
107.1	AU	NONE	NON	0	-----
107.3	ES	WWBA	FL ST PETERSBURG	1749	FMC-ND
107.3	TR	KOSZ	CA GROVER CITY	2382	SRE1 HI
107.3	MS	WWBA	FL ST PETERSBURG	1091	PSA- ON
107.3	AU	WEOL	OH ELYRIA	614	JEB- MN
107.5	ES	KWMX	CO LAKEWOOD	1519	FNO- NY
107.5	TR	KLVE	CA LOS ANGELES	2491	SRE1 HI
107.5	MS	KNOX	TX FT WORTH	1298	SCH- ON
107.5	AU	KPPL	CO LAKEWOOD	696	JEB- MN
107.7	ES	WGNA	NY ALBANY	1660	PDY- TX
107.7	TR	WMGF	FL MT DORA	994	SWI1 TX
107.7	MS	KWIC	TX BEAUMONT	1192	PSA- ON
107.7	AU	KKSS	MO ST LOUIS	661	FMC2 ND
107.9	ES	WFSl	MD ANNAPOLIS	1423	PDY- TX
107.9	TR	KWVE	CA SAN CLEMENTE	2516	SRE1 HI
107.9	MS	KVLY	TX EDINBURG	1081	ABO- IL
107.9	AU	Waur	IL AURORA	604	MBU- CT

DXR INITIALS-NAME	DXR LOCATION	ST	DXR INITIALS-NAME	DXR LOCATION	ST
ABC- ANDY BOWEN	CHARLESTON	IL	KRF- KURT RICHARDSON	STRACUSE	NY
BEL2 BRUCE ELYING	DULUTH	MN	LVO- LARRY VOGT	SPRINGFIELD	VA
CBE- CHARLES BERTH	EASTPORT	NY	MBU- MIKE BUGAJ	ENFIELD	CT
CHO- CARLON HOWINGTON	UNIONTOWN	OH	MCH- MIKE CHERRY	GAINES	BC
CHO1 CARLON HOWINGTON	ST PETERSBURG	FL	MHA- MIKE HAWK	OMAHA	NE
DAL- DOUG ALLEN	WOODLAND PARK	CO	MJE- MIKE JEZORSKI	CRESCENT BEACH	FL
DBU- DANNY BUNTIN	STILLWATER	OK	MNI- MATT NITT	VANCOUVER	BC
DRA- D BRUCE HALL	BRANTFORD	ON	MSI- MATT SITTEL	KINGSPOY	TN
DNO- DENNIS DOE	ANESBORO	IA	MSI2 MATT SITTEL	RALEIGH	NC
DNI- DAVID NIEMAN	AKRON	NY	MSI2 MATT SITTEL	TALLAHASSEE	FL
ECO- ERNEST COOPER	PROVINCETOWN	MA	NDI- NEIL DICKERSON	SHARPTOWN	MD
FAD- FRANK ADEN	BEND	OR	PDY- PAT DYER	SAN ANTONIO	TX
FAD1 FRANK ADEN	BOISE	ID	PGE- PETER GEORGE	BROCKTON	MA
FMC- FRED MCCORMACK	DES LACS	ND	PSA- PETER SAWATZKY	WATERLOO	ON
FMC2 FRED MCCORMACK	FARGO	ND	RBR- RUSS BROWN	ST JOSEPH	MI
FME- FRANK MERRILL	MILAN	MI	RBT- ROBERT BROWN	AMES	IA
FME1 FRANK MERRILL	MACOMB	IL	RCD- ROBERT COOPER	OKLAHOMA CITY	OK
FME2 FRANK MERRILL	TOLEDO	OH	RSA- RICK SAMFORD	BURNETT	TX
FNO- FRED NORDQUIST	CLAY	NY	RSE- ROBERT SETBOLD	DUNKIRK	NY
GCO- GREG COMIGLIO	WILLIAMSVILLE	NY	RSH- RICK SHAFTAN	SPARTA	NJ
GHA- GLENN HAUSER	VON ORMY	TX	RSM- BOB SMDLAREK	HIGH BRIDGE	NJ
GHA2 GLENN HAUSER	ENID	OK	RST- RALPH STROBEL	MUNCIE	IN
GHA3 GLENN HAUSER	ALBUQUERQUE	NM	RWO2 RICHARD WOOD	MEDICINE HAT	AY
JCO- JOHN COMBS	ORLANDO	FL	SCH- SAUL CHERNOS	BURNY RIVER	ON
JEB- JOHN EBELING	BLOOMINGTON	MN	SGR- STU GRADE	SIOUX CITY	IA
JEB2 JOHN EBELING	PROSIT	MN	SRE- SHELBY REMINGTON	NEW HAVEN	CT
JEB3 JOHN EBELING	SPLAINFIELD	NJ	SRE1 SHEL REMINGTON	KEAUA	HI
JJE- JOHN JEFFERSON	CONCORD	CA	SSO- STEVE SOLOMON	HYANNIS	MA
JJE2 JOHN JEFFERSON	PLEASANTON	CA	SWI1 STEVE WISEBLOOD	BROWNSVILLE	TX
JJE4 JOHN JEFFERSON	ANTIUCH	CA	WHE- WILLIAM HEPBURN	BRAMPTON	ON
JPI- JIM PIZZI	LOVINGSTON	NM	WHE3 WM HEPBURN	THUNDER BAY	ON
JPI1 JIM PIZZI	ORCUTY	CA	WHE4 WM HEPBURN	KINGSTON TWP	ON
JTH- JIM THOMAS	FT COLLINS	CO	WHF- BILL NIENAJADZLY	CLIFTON	NJ
JZO- JOHN ZONDLO	YUKON	OK			
KPU- KEITH PUGH	NEW HOPE	AL			

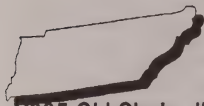
This update reflects distance records submitted by Dxers or records noted in scanning the VUD columns. Mileages were checked using the Great Circle Distance Calculator formula. Please let me know of any errors or omissions.

All-Time TV Distance records and reprint of the WFDFA Groundrules for counting stations will be included in the next column issue. Fred Nordquist.

Southern FM DX

John Zondlo - 4009 Driftwood Circle - Yukon, OK 73099 - Jpzondlo@aol.com

For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico



Doug Smith

1385 Old Clarksville Pike - Pleasant View, TN 37146-8098
w9wi@bellsouth.net CST

Technics ST-G50 tuner, big Radio Shack VHF-TV antenna at 15'

1/22 Gw (note #1)

0000 <u>KJMS</u>	101.1 TN	Memphis, "Smooth 101.1" & local ads 190
0115 <u>WVRV</u>	101.1 IL	East St. Louis, "FM 101 The River," local talk 234
0119 unID	101.1 ??	??, "Reality Radio 101.1," religious adult contemporary - mx, WFMH-Alabama?

1/22 Tr

0746 KABF	88.3 AR	Little Rock, annmnt of local Gospel concerts 322
0805 <u>WQKK</u>	97.1 MS	Meridian, "97 OKK" 295
0815 WJDQ	101.3 MS	Meridian, "Q-101," local talk 296



John M. Jefferson
4104 Spyglass Ct.
Antioch, CA
94509-6051
PST

McIntosh MR-80 (digital display w/analog tuning), APS-14 antenna (the 196" baby bird perch) @ 30' off the ground, Channel Master rotor

11/17 Ms

1010 <u>XHNVG</u>	104.9 CH	Nuevo Casas Grandes, calls, "La Saborcita" (previously reported as XHMC Mexicali... the calls are rather similar)
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1/13 Es

1950 CFMM	99.1 SK	Prince Albert, "100% Canadian... Power 99" 1306
1954 <u>CFQC</u>	92.9 SK	Saskatoon, ID 1225
2017 CFMC	95.1 SK	Saskatoon, "All Hits C-95" 1225
2033 <u>CJSR</u>	88.5 AB	Edmonton, "Another CJSR scoop..." 1148

1/15 Es

1947 <u>XHSBT</u>	99.5 CI	San Buenaventura, Que buena, Cuauhtemoc & San Buena references 995
1955 <u>XHNVG</u>	104.9 CI	Nuevo Casas Grandes, calls "La Saborcita" (same annmnt as on 11/17)

28

2019 XHUSS?	92.3 SO	Hermosillo, Latino mx o/KSJO
2014 XHGON?	92.9 SO	Ciudad Obregon, Latino mx o/KFGY

Notes: underlined are new to the Diablo Region, dashed underlines are new mode. XHNVG may have set a record for speed in getting its second reception mode. When I edited the November tapes, I sure thought I heard "XHMC," but on review it's clearly "XHNVG" - and the "La Saborcita" unID made it obvious I had not only the same station, but the same recorded message! The Ms signal, incidentally, was superior to the Es signal at the critical moment (but the Es brought in a minute or so of Latino music reasonably clearly before the announcement). I'm pretty certain of XHUSS & XHGON since channel 2 had a Mexican baseball playoff game (Mexicali vs???) going with "Tecate" displayed frequently on the scoreboard and channel 4 had then 4-5 deep co-channel bars typical of XHBS Los Mochis, Sinaloa. Tecate is in Sonora, and I suspect it was the game site. XHGON was quite strong to get through KFGY; XHUSS seems quite weak.

Glenn Lavender - 2025 Cass Way #16 - Sarasota, FL 34231 - EST

Yet another move, now to a horrible DX QTH - multipath galore, streetlight QRN and a local TV station just a half mile away. Still, a few scant short DX tropes/extended Gw loggings:

12/29 Tr

0320 WSL	103.1 FL	Naples, MoR mx, fair
0515 WOMX	105.1 FL	Orlando, Top 40, "Mix 105.1"
0601 WAOA	107.1 FL	Melbourne, "W-A-1-A" ID
0614 WQBA	98.3 FL	Miami, SS, QTH, ID
0622 WLDI	95.5 FL	Fort Pierce, "The new Wild 95.5"
0630 WGYL	93.7 FL	Vero Beach, ID, poor levels
0631 WZZR	92.7 FL	Stuart, "ZZR"
0640 WPCV	97.5 FL	Lakeland, k
0642 WKGR	98.7 FL	Fort Pierce, classic r, "KGR"
0651 WPAW	99.7 FL	Vero Beach, "Panther Country"
0702 WFLM	104.7 FL	White City, legal ID, QTH, "The Flame"

That's it. Poor tropo season here so far. Maybe some slow-moving high pressure systems will show up, or some fog. Til then, best of DX to the rest of you. 73, Glenn.

check out

FM DX Web

<http://members.aol.com/fmdxweb>

Southern FM DX

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
jpzondlo@aol.com
CST

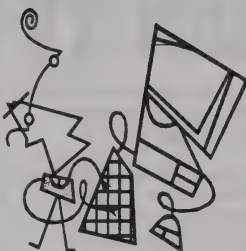
Akai AT-VO4 tuner (modified with 2 150 kHz IF filters), Channel Master Stereo Probe 9 antenna. All new.

1/26 Tr

0857 KAVX 91.9 TX Lufkin, "A Voice for Christ" 336
0909 KGAS 104.3 TX Carthage, Swap Shop 303
0926 KSIJ 102.3 TX Jacksonville, CCM 282
0936 KZEY 103.9 TX Marshall, blk Gospel 281
1000 KCXY 95.3 AR East Camden 310

2/8 Tr

0822 KTTG 96.3 AR Mena, ads 208
0854 KCES 102.5 OK Eufaula, x-102.3 123
0919 KYLA 106.7 LA Homer, "LA - Country" 326



From the Editor

Hope the early tropes bodes well for the coming year. I remember 1994 starting off with a good February trop opening down to the Permian Basin (Midland/Odessa TX). Would be nice if this is a precursor to such a season!

Thanks for your support of SFM!

NORTHERN FM DX

MARCH 1999

DEADLINE: The 5th of the month before publication
LOG CUTOFF: 4 months from postmark
COLUMN REPORTING AREA: See map to the right
(also includes Europe & Asia)

EDITOR: GREG CONIGLIO
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A small column this month, although it still features an interesting Cape Cod-North Carolina duct noted by Steven Solomon. Steve also cashed in on the high meteor scatter activity of November. For most of the beginning of this year, winter weather patterns have precluded any major Tropo openings, other than a few in the Midwest. If you've had DX, let us know about it!

STEVEN SOLOMON - 31 VERNON ST. #4 - HYANNIS, MASSACHUSETTS 02601

Equipment: Yamaha T-85 w/5 modified If filters (Has digital fine tuning to .01 MHz), Antenna: Channel Master 4408 w/rotator at 20 feet, Internet: cool102@capecod.net

OCTOBER 18, 1998 TR

1700 {WQJZ} 97.1 MD Ocean Pines, "Smooth Jazz 97.1", jazz
1937 WRSF 105.7 NC Columbia, Dixie 105.7
1939 WBNJ 105.5 NJ Cape May Courthouse
1943 WCXL 104.1 NC Kill Devil Hills, CHR, "Beach 104"
1947 WRAL 101.5 NC Raleigh, Mix 101.5, a/c (nice catches!-grc) 640
2018 WQDR 94.7 NC Raleigh, k 640

NOVEMBER 1998 DX

16 MS

2350 CHOZ 94.7 NF St. John's Oz-FM 1075

17 MS

0115 WDEC 94.7 GA Americus, "Mix 94.7" 1075
0145 WCSX 94.7 MI Birmingham 700
1225 WENS 97.1 IN Shelbyville, AC 875
1232 WHRK 94.7 TN Memphis, K-97 1200
1255 WXCM 97.1 KY Hawesville, 97-X 975

WESTERN TV-DX

March 1999

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for January 1999. Our southern-California tropo to San Diego/Tijuana (up to 200 mi/320 km) existed occasionally somewhat, due to stable calm and only occasional stormy periods. There were no storms/precip. at all from early Dec to Jan 19, but during that time, sometimes air-pressure changes resulted in offshore breezes which dispersed what inversion layer there was.

Dec 31: Variably fair-poor

Jan 1-2: Variably poor/fair

Jan 3: Poor, going to none

Jan 4: None

Jan 5: Very poor

Jan 6-7 am: Fair

Jan 7 eve: Poor

Jan 8-11 am: Variably poor

Jan 12-21: None (out of town 15-18, rain 19-20)

Jan 22-23: Very poor & deteriorating

Jan 24-28: None (series of rain storms)

Jan 29-30: Very poor & deteriorating

Jan 31: None (rain)

While in Wasco Jan 15-18, on Jan 15 there was some Es, though I didn't take full advantage of it. There were slight indications of it starting 1758 PST on ch 2, but then I left the house and came back 1938 with ch 2 ABC 20/20 and Odessa ads (KMID Midland, apx 1050 mi), the only ID. MUF went to ch 5 at 1950 (Spanish soccer). QRM was noted on ch 5, image/harmonic from local 2-way or CB IDing as "186" talking to Phoenix AZ. Also noted 6-meter ham on ch 2 with slightly finer herringbone than if it had been adj-ch TV QRM, so perhaps apx 53 MHz. The TV skip disappeared soon after that.

Best of DX to All. Dennis.

Fernando Garcia, San Salvador 415, Rincon de la Sierra 67181 Cd Guadalupe, NL, MEXICO

Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs in the same month, only tropo 500+ miles.

January 5	CST
1300 KXTX 39 TX Dallas	518

January 6	
0600 KFWO 52 TX Fort Worth	522
1930 KDTX 58 TX Dallas	518

January 7	
0600 KDFI 27 TX Dallas o/u KLDO	518

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4554
e-mail frank@horizon.srl.com
(650)851-7031

KDAF 33 TX Dallas	518
0645 KXAS-DT 41 TX Fort Worth OKWEX	
2030 KHSX 49 TX Irving	518
KPXD 68 TX Arlington	518
2100 KETK 56 TX Jacksonville	532
January 8	
0215 KTXA 21 TX Fort Worth	518
KJTL 18 TX Wichita Falls	598
0230 KADN 15 LA Lafayette	586
WVLA 33 LA Baton Rouge	633
KLPB 24 LA Lafayette	567
0600 K26DL 26 TX Wichita Falls TBN	577
K47DK 47 OK Grandfield	598

January 10	
0645 WLAE 32 LA New Orleans test pattern	694
WGNO 26 LA New Orleans	694
0700 WNOL 38 LA New Orleans	694
WLPB 27 LA Baton Rouge	638
WPAN 53 FL Fort Walton B.	869
WUPL 54 LA Slidell	705
WMAH 19 MS Biloxi	770
0715 WPXL 49 LA New Orleans	688
WPMI 15 AL Mobile	838
WMPV 21 AL Mobile	842
WLTZ 38 GA Columbus	1036
WFXL 31 GA Albany	1066
0745 WHBR 33 FL Pensacola	838
WXXV 25 MS Gulfport	764
0900 WXTX 54 GA Columbus	1037
0930 WGMB 44 LA Baton Rouge	633
K56DR 56 LA Baton Rouge TBN	633

January 11	
2200 Lafayette LA	586

January 12	
0530 KVHP 29 LA Lake Charles	530
WMAU 17 MS Bude	697
0545 WTXL 27 FL Tallahassee strong	1031
WTCW 40 FL Tallahassee	1030
KAJN-LP 40 LA Lafayette	586
0600 WOGX 51 FL Ocala	1123
0615 WTLH 49 GA Bainbridge	1029
rare over WPXL and KPXB	
WHNO 20 LA New Orleans	688
WEIQ 42 AL Mobile	825
0630 WFSG 56 FL Panama City	929
0645 WBHS 50 FL Tampa	1116
WTTA 38 FL St. Petersburg	1116
W36AC 36 MS McComb TBN	710
WATL 36 GA Atlanta	1104
K46DG 46 LA Lafayette KLAFL	587
WAPT 16 MS Jackson	754
0700 WGBC 30 MS Meridian	834
WIIQ 41 AL Demopolis	877
0715 WGII 43 AL Louisville	987
WMPN 29 MS Jackson	747

Western TV DX *F. Garcia's report continues*

	WACS	25 GA	Dawson	1041
			rare over KAVU and WXXV	
	KLTL	18 LA	Lake Charles	548
	WMDN	24 MS	Meridian	834
0730	K55HA	55 LA	New Iberia	596
	K69HD	69 LA	Church Point	586
	WUPA	69 GA	Atlanta	1100
	WSB-DT1	39 GA	Atlanta	
0745			turning dish to north	
	KAUT	43 OK	Oklahoma City	706
	KOKH	25 OK	Oklahoma City	703
			had to leave	
January 13				
0700	Mobile	AL		838
January 14				
1045	Dallas	TX		518
January 15				
	Baton Rouge	LA		638
January 16				
0015	KLAX	31 LA	Alexandria	618
0030	Jackson	MS		754
0600	K49DE	49 LA	New Iberia TBN	596
January 17				
0615	Baton Rouge	LA		638
0630	KMPX	29 TX	Decatur	537
January 18				
0600	K35EU	35 TX	Corpus Christi	224
			SS music videos, with KTMV-LP CH 8	
2200	K30EM	30 LA	Houma	644
			Fort Walton B. FL	869
January 19				
0145	KWBJ-LP	39 LA	Morgan City	618
	K59DG	59 LA	New Orleans TBN	688
0400	KFXK	51 TX	Longview	557
0415	WVUE	8 LA	New Orleans	693
	WYES	12 LA	New Orleans	693
	WAFB	9 LA	Baton Rouge	638
	K66FI	66 LA	Opelousas TBN	599
0615	KFAM-LP	65 LA	Crowley	572
			Family Vision	
	KLAF-LP	62 LA	Opelousas	600
0645	K52EV	52 LA	Leesville	574
			w/WNTZ-48 FOX	
	KBTR-LP	19 LA	Baton Rouge	642
			America's Voice	
	K46CR	46 LA	Baton Rouge VJN	645
0715	WAWD	58 FL	Fort Walton Beach TV	897
	K51EC	51 LA	Lake Charles TBN	532
0730	WFGX	35 FL	Fort Walton B.	892
1930	WDBD	40 MS	Jackson	754
	KLPA	25 LA	Alexandria	619
2100	KARD	14 LA	West Monroe	659
	WCFT	33 AL	Tuscaloosa	924
January 20				
0200	WGNX	46 GA	Atlanta	1104
0215	KLDT	55 TX	Lake Dallas	544
0230	WHSB	63 GA	Monroe	1119
1815	unid ch 40	TNT	Laredo hdn, logged frequently.	
1945	WJSU	40 AL	Anniston	992

	WXVT	15 MS	Greenville	794
2000	KMSS	33 LA	Shreveport	615
	KLTS	24 LA	Shreveport	616
2200	KASN	38 AR	Pine Bluff	772
January 21				
0315	Atlanta	GA		1104
	WIAT	42 AL	Birmingham	969
	WTTO	21 AL	Homewood	969
January 22				
0030	New Orleans	38 LA		694
January 24				
2145	WTVK	46 FL	Naples	1153
	WZVN	26 FL	Naples	1153
	WFTX	36 FL	Cape Coral	1142
2200	WWWB	32 FL	Lakeland	1135
January 25				
0000	WFTS	28 FL	Tampa	1116
	WBBH	20 FL	Fort Myers	1144
	WGCU	30 FL	Fort Myers	1144
0030	WRXY	49 FL	Tice	1142
	WFLX	29 FL	West Palm Beach	1238
	WXEL	42 FL	West Palm Beach	1238
0345	WKCF	18 FL	Clermont	1192
	WRBW	65 FL	Orlando	1192
0400	unid ch 58	SS	music videos n hdn	
0430	WACX	55 FL	Leesburg	1180
	WOPX	56 FL	Melbourne	1189
	WTGL	52 FL	Cocoa	1200
0445	WWSB	40 FL	Sarasota	1108
	WUSF	16 FL	Tampa	1116
0545	WSCV	51 FL	Fort Lauderdale	1242
	WBFS	33 FL	Miami	1242
0600	KMCT	39 LA	West Monroe	679
0615	WTOG	44 FL	St. Petersburg	1116
1930	WAMI	69 FL	Hollywood	1242
	WBZL	39 FL	Miami	1243
	WMFE	24 FL	Orlando	1191
2000	WXPX	66 FL	Bradenton	1115
	W67BY	67 FL	Fort Myers TBN	1143
	WHFT	45 FL	Miami	1244
	WJAN-LP	41 FL	Miami	1230
	WPXM	35 FL	Miami	1237
	WFGC	61 FL	Palm Beach	1248
2015	W56CN	56 FL	Venice w/WWWB-32	1106
	W58BU	58 FL	Hallandale NBC-6	1243
	WOFI	35 FL	Orlando	1191
	W57CJ	57 FL	Fort Myers PAX	1139
2045	WLTW	23 FL	Miami	1242
	WBSV	62 FL	Venice	1107
	WVEA-LP	61 FL	Tampa UNIVISION	1104
	WBCC	68 FL	Cocoa	1200
2115	K21DM	21 LA	Lafayette VJN	592
2130	W52BB	52 FL	Big Pine WFOR-4 CBS	1182
	W47AC	47 FL	Big Pine //ch 10 Miami	1182
			The above two logs show a change on its previous programming.	
January 26				
0430	WPXP	67 FL	Lake Worth	1248
0445	WBSF	43 FL	Melbourne	1200
	W60BK	60 FL	St. Petersburg TBN	1093
0500	WTVT	13 FL	Tampa	1117
0600	KSBI	52 OK	Oklahoma City	692

Western TV DX *F. Garcia's report continues*

	KOPX	62 OK	Oklahoma City	705
0630	WCJB	20 FL	Gainesville	1121
0745	KWHB	47 OK	Tulsa	765
2015	WSRE	23 FL	Pensacola	857
			SAP w/NOAA wx.	
	W50CF	50 AL	Mobile	817
			w/WPAN-53 VCC	
	W68CM	68 FL	Panama City TBN	943
2030	W39BP	39 FL	Pensacola TBN	859
	W46AV	46 MS	Pascagoula TBN	783
2145	WNTZ	48 MS	Natchez	670
	WJTC	44 FL	Pensacola	842
2215	KPJX	21 LA	Minden PAX	640
January 27				
0030	WMAW	14 MS	Meridian	807
	W29BH	29 MS	Biloxi TBN	757
0045	W52BC	52 AL	Salem TBN	928
	WSWS	66 AL	Opelika	1023
	W47BP	47 MS	Hattiesburg	766
			MS educ, //WMAH-19	
	WMCF	45 AL	Montgomery	965
	W63BK	63 MS	Meridian TBN	834
0100	WFOA	32 AL	Montgomery	929
0115	WPXX	50 TN	Memphis Worship	904
	KYPX	42 AR	Little Rock	803
0130	KLTM	13 LA	Monroe	668
Finally got this one, now LPB stations are complete on my log book.				
0145	WLOV	27 MS	West Point	872
0215	WMAV	18 MS	Oxford	866
	WPTY	24 TN	Memphis	904
0345	WAIQ	26 AL	Montgomery	959
			Monroe	63 GA
0400	WABM	68 AL	Birmingham	966
	WOWL	15 AL	Florence	964
	WFIQ	36 AL	Florence	964
	WTJP	60 AL	Gadsden	998
0530	W59CF	59 AL	Russellville TBN	962
No trace of New Orleans or Jacksonville UHF's				
0545	WZDX	54 AL	Huntsville	1025
	WHNT	19 AL	Huntsville	1028
0600	WAFF	48 AL	Huntsville	1027
	WLMT	30 TN	Memphis	901
0615	WAAY	31 AL	Huntsville	1028
	KSHV	45 LA	Shreveport	616
0630	KVTH	26 AR	Hot Springs	739
	WPGD	50 TN	Hendersonville	1102
	WUXP	30 TN	Nashville	1079
0715	WNAB	58 TN	Nashville	1068
	KVTN	25 AR	Pine Bluff	783

January 28

0300 Dallas 39 TX 518

January 29

2130 Dallas 39 TX 518

January 30

0745 Dallas 39 TX 518

This is my best month of January. Temperatures were mostly above normal. January 24-27 seemed to be springtime tropo. Best number of days for the month

of the following states

AL 10
FL 10
GA 6
MS 9
OK 4
TX 19
73's Fernando

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021-9355

Equipment: VHF-1998 Orion (Mod TV1318) TV. CM 1110 antenna at 41'. Belden 300 ohm celluline with RDX Labs UA60 balun. UHF-1990 Zenith G0930Y TV. CM 7' screened dish with cat whiskers at 52' on a Rohn crankup tower. TDX Labs UA-903 (special high overload resistant preamp). 130' Jerrold RG11. Yaesu G400 RC rotor.

January 1999

			CST
02ms	0410	KDTN 2 TX	719
09ms	0435	CKCK? 2 SA TP with CTV	918
12ms	0700	CKND-2 2MB CB w/Winnepeg	752
17tr	0200	WOAC 67 OH	417
	0255	WPGH 53 PA	491
	0320	WOIO 19 OH	401
30tr	0220	K61GE 61MN Jackson xl KSTP-5	309
	0500	KSMV? 65MN Appleton, Wheaton	443
	0900	KHNE 29NE	464
		KXNE 19NE	402
31tr	0335	KSAX 42MN	404
		K41?? 41 WCCO-4 TP	
	0400	KTSD 10SD Pierre	566
	0410	KDSD 16SD	509
	0430	KTWW 17SD Sioux Falls	383
	0440	K14IN 14MN Breezy Point	404
		(xlator KARE-11)	
	0505	K55AP 55WI River Falls	278
		(xlator WHWC-28 with KOCB-28)	

WCCO-4 Minneapolis and a mystery station still use a TP. On January 9, a TP was seen on ch. 2 to the NW via meteor scatter at 0435 and every AM since. An old "Indian Head TP" has been resurrected with CTV substituted for the Indian head. QTH is unknown. (CKCK)? The TP has the same offset as Cedar Rapids-2. A pix was taken.

Tropo was seen mid-month to Pittsburgh (491 mi). Unusual mid-winter tropo occurred late in the month to NE, SD, and MN. Local enhancement describes tropo conditions the early AM of January 31. At 0335, a WCCO-4 TP was seen on ch. 41. Within 1½ hours, five new stations were logged. VHF extended to Pierre, SD-10 (566 mi). The new stations could have been logged only on Sunday morning. KGAN-2, WREX-13, IPTV educationals, etc. were off. The

Western TV DX *Wm. Eckberg's report cont'd*

band resembled conditions 15 years ago.

Where is a ch. 41 translator receiving WCCO-4? Antenna heading was MN area. TV and Cable Factbook lists no ch 41 translators with a ch. 4 input. Where is a Public TV station in western MN on ch. 65? I heard Appleton, Wheaton, KSMV (close), and saw a map of SW MN. The cities and call could be any station in the network. A pix still in the camera will help.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Tropo: No relogs under 400 miles; no LPTV relogs under 200 miles. Es: Only the most productive day of each week. Plus new loggings. Distance per Fred Nordquist's chart.

January 1999	UTC
05Es 1529 WBAY 2WI Green Bay	892
2002 WDTN 2OH Dayton	735
12tr 1650 XERV 9TAM Reynosa	513
15Es 0220 KNAZ 2AZ Flagstaff	1045
0320 KPHO 5AZ Phoenix	1065
16tr 0730 Valley 7,9,12(local off),17,23	
0820 K53FA 53TX Houston; Valuevision	205
19tr 1420 XERV 9TAM	513
1550 K30EM 30LA Houma; "HTV"	265
1613 K55HA 55LA New Iberia; "KLAf"	202
20tr 0455 Valley 7,9,17,23	
0640 KGNS 8TX Laredo	481
2310 Valley 5,7,9,17,23,44,54	
21tr 0145 XHAJ 5VER Las Lajas sup.calls	900
0340 Laredo 8,11,13,27	
23Es 0105 XHTV 4	
0235 XHFM 2VER Veracruz	900
25tr 1510 KGNS 8TX Laredo	481
26tr 1359 Lubbock 13,28,34	476
27tr 0145 Valley 7,9,14,17,23,54	
0515 Pensacola, FL 23,44	410
0535 WPAN 53FL Ft. Walton Beach; VCC	444
0740 Montgomery, AL 20,32	436
0745 WIAT 42AL Birmingham	410
0810 WJSU 40AL Anniston; "33/40"	468
1350 WHIQ 25AL Huntsville; APT	444
1405 WNGM 34GA Athens, Box	610
1408 WFSG 56FL Panama City	502
1425 Huntsville, AL 19,31,48,54	444
1454 Columbus, GA 28,38	512
WJTP 60AL Gadsden; TBN	461
1512 WCES 20GA Wrens; GPTV/28	663

Dave Pomeroy, 2321 SE Libra Ct. Topeka, KS 66605-3505 (785) 266-5477

<zzpomer@washburn.edu>

August 20, 1998	Tropo
0530 WLKY 32 KY Louisville	530
WLEX 18 KY Lexington	606
WTVQ 36 KY Lexington	611
0600 WNAB 58 TN Nashville	534
WUXP 30 TN Nashville	520
K64BS 64 KS Concordia with	
KMBC-9 instead of KOOD-9	
WEVV 44 IN Evansville	445
WICS 20 IL Springfield	
WXIN 59 IN Indianapolis	507
WLFI 18 IN Lafayette	489
WNWO 24 OH Toledo	671
WUPW 36 OH Toledo	667
0900 WGTE 30 OH Toledo	
WHMB 40 IN Indianapolis	507
WNIT 34 IN South Bend	
1000 WSBT 22 IN South Bend	
WRGT 45 OH Dayton	609
1025 WVIZ 25 OH Cleveland	
WFIY 20 IN Indianapolis	507
1200 WKOH 31 KY Owensboro	457
WKGB 53 KY Bowling Green	507
WKMA 35 KY Madisonville	459
2305 WRSP 55 IL Springfield	
WXIN 59 IN Indianapolis	
2315 WLFI 18 IN Lafayette	
September 1, 1998 Tropo	
2200 K32BY 32 KS Oberlin	KOOD-9
WHSL 46 IL E. St. Louis	
KDNL 30 MO St. Louis	
September 2, 1998 Tropo	
K20BU 20 KS Russell	KAKE-10
January 30, 1999 Tropo	
0550 WLKY 32 KY Louisville	530
WEVV 44 IN Evansville	445
KDNL 30 MO St. Louis	
0600 KMEG 14 IA Sioux City	
KLJB 18 IA Davenport	320
0800 WICS 20 IL Springfield	
February 2, 1999 Tropo	
2200 KMEG 14 IA Sioux City	248
2205 KDLT 46 SD Sioux Falls	314
2300 KFAA 51 AR Rogers	212
KSBN 57 AR Springdale	209
(24,40 Ft. Smith; AR	
23,41,44,47,53 Tulsa; OK	
15, 42 Omaha NE strong)	
(KDSM 17 IA Des Moines,	
KMIZ 17 MO Columbia,	
KTVG 17 NE Grand Island and	
KDOR 17 OK Bartlesville, all in with rotor)	
KRSC 35 OK Claremore	180
February 8, 1999 Tropo	
0600 KLKE 24 NE Albion	245

There are still some logging between September and the end of the year that I have not gotten to you yet. The best was KTLJ-22* from Galveston, Texas at 671 miles. Others from the Houston area were in as well. Thanks to Paul Mitschler and Doug Smith this month.

Western TV DX

Victor Frank, K6FV, 12450 Skyline Blvd, Woodside, CA 94062-4554

Equipment: 5' screened dish @ 25', 1765' AMSL. HD-73 rotor, Radio Shack preamp, Icom R-7100, TV-R7000 TV adapter.

August-November 1998 Identified (Ref. Dec 98) Video Carrier MHz, 24 531.2642 WLI624 //KTLF-64, relay, Oakland

December 1998, UTC, dist. in km
19 0430 unID 33 CA ESPN
0440 K33DJ 33 CA Salinas 70
30 0125 K55HR 55 CA Chico 283
0430 KCVU 30 CA Paradise

Fox-30 283
2327 unID 28- SS//KDTV-14
31 0235 KDTV 25 CA Santa Rosa
//KDTV-14 135

1815 KREN 27+ NV Reno 297
January 1999

10 1836 unID 54 CA //KBWB-20
2242 unID 48 CA //KTSF-26

The stations on the San Jose tower were off for tower work. Seeing as both pairs of stations are 6 channels apart, it is possible these are spurs.
15 0625 KNXT 49z CA Visalia

Relig. 338
January 15, KGO-DT, ch 24 was off the air and I could ID KNNV, Chico, and KFTL-64 still. A call from Matt Tuter cleared up the matter. They had turned off the 100 W final amplifier of the WLI624 translator at the Oakland Coliseum, and I was hearing feedthrough from the 6 W exciter.

Matt also said that K55HR in Chico has filed to move to channel 28. Also on the tower at Cohasset is K02OA and another WLI intercity relay on channel 19 with a very directional vertically-polarized antenna directed at Southfork (just east of Oroville). Looks like this is one I detected on my Christmas trip to Portland..

SF-Portland Trip Bandscan

Equipment: UHF LPA on a PC Board in rear window, R7100 RX, TVR-7000 TV converter. ERP is in kW. Distances are in km of furthest

detection. Only stations north of Sacramento are listed. The trip north was on December 23, the return trip was on December 28.

K02OA 2- .025 CA Chico 42
K02GT 2N .010 OR Windy Cr.14
KATU 22 1000 OR Portland 113
K03BZ 3- .019 OR Rogue R. 22
K04FL 4- .034 CA Lakeshore 8
K04EO 4N .080 OR Ashland 5
K04EY 4N .047 OR Grants Ps 20
KPIC 4+ 5.37 OR Roseburg 96
KENY 4- .038 OR Reedville 24
K0BI 5Z 60.3 OR Medford 210
KVIQ 6- 100 CA Eureka 177
KOIN 6+ 100 OR Portland 164
KRCR 7Z 115 CA Redding 153
K07RQ 7+ .069 OR Jacksonville 5
KOAC 7- 375 OR Corvallis 125
KFWU 8- 224 CA Ft Bragg 265
KSYS 8+ 191 OR Medford 209
KGW 8- 316 OR Portland 167
KIXE 9Z 115 CA Redding 157
KEZI 9+ 316 OR Eugene 183
KTVL 10+ 132 OR Medford 118
KOPB 10Z 316 OR Portland 231
KRXI 11Z 178 NV Reno 208
K11GH 11+.018 OR Tri-City 11
K11GT 11+.350 OR College 63
KHSL 12- 316 CA Chico 172
KDRV 12+ 191 OR Medford 157
KPTV 12Z 316 OR Portland 390
K13LO 13Z .026 CA Yreka 10
K13HM 13+ .025 OR Myrtle Cr 19
KVAL 13Z 316 OR Eugene 140
K14HX 14Z .582 CA Lakehead 103
K14HA 14- 8.6 OR Roseburg 74
K14GW 14+23.7 OR Corvallis 114
K14HN 14Z 10.7 WA Vancouver 62
K15CX 15Z 19.9 CA Chico 90
K15BP 15+.068 OR Grants Ps 16
K15DS 15- 9.13 OR Newport 100
KCKA 15+ 661 WA Centralia 176
K16CX 16Z 12.0 CA Grass V. 137
K16CU 16+ 3.62 OR Phoenix 12
KMTR 16+ 1910 OR Eugene 79
K16CB 16N 13.4 OR Happy V 62
K17BA 17Z 1.19 CA Yreka 70
K18AO 18Z 2.37 CA Oroville 122
K18AN 18+ 0.62 OR Grants P 22
K18EL 18- 9.17 OR Newberg 125
WLI?? 19Z CA Chico 83
K19AD 19Z 13.4 OR Tri City 48
K19CT 19+ 28.8 WA Camas 91
K20DD 20Z 10.7 OR Albany 98
KZVU 21Z 33.2 CA Chico 160
K21BG 21+ .070 OR Jacksonv 4
K21AI 21Z .28 OR Camas V 85
KRCB 22Z 67.6 CA Cotati 116
KRUV 22Z 60.0 CA Redding 168
KFTS 22+ 9.33 OR KlamathF 97

KPXG 22Z 1700 OR Salem 154
KMTZ 23+ 190 OR Coos Bay 113
KNNV 24+ 5000 CA Chico 195
KNMT 24+ 2690 OR Portland 140
KDTV 25- 0.64 CA StaRosa 78
KEVU 25+ 35.5 OR Eugene 116
KGEC 26Z 37.8 CA Redding 172
KMUU 26+ 110 OR Medford 102
K26AY 26- 13.8 OR Corvallis 24
KREN 27+ 2630 NV Reno 194
K27EE 27Z 2.54 CA Ukiah 147
K27BH 27Z .077 CA L.Shastina 10
K27ER 27- 10.6 OR Salem/Dal 75
K28CY 28- .139 CA Lewiston 66
KEPB 28- 389 OR Eugene 118
K29AX 29+ .634 OR Roseburg 4
K29AZ 29Z 3.9 OR Newport 91
K30DO 30+ 17.0 CA Sta.Rosa 64
KCVU 30Z 5000 CA Paradise 218
K30EH 30Z 10.7 OR Salem 70
KDKF 31Z 6.03 OR KlamathF 99
K31AE 31+ 13.6 OR Sutherlin 112
K32DY 32Z 24.5 OR Medford 95
KWBP 32Z 5000 OR Salem 125
K33CH 33Z .753 CA Lakeport 97
K33DI 33N .354 CA E Weed 42
K33AO 33+ 12.1 OR Coos Bay 74
K34DF 34Z 37.6 CA Redding 258
K34DJ 34- .984 OR Phoenix 65
K34BV 34Z .114 OR Murphy 19
KLSR 34Z 813 OR Eugene 150
K35DE 35Z .264 CA Yreka 66
K35CR 35+ 1.34 OR Tillamook 73
K36CLT 36+ .144 OR Merlin 124
KTVK 36Z 42.7 OR Roseburg222
K38CP 38- 1.30 OR Grants P 4
K38EJ 38+ .580 OR Canyonvl 53
K39EF 39Z 26.5 OR Ashland 16
K39CL 39- 0.79 OR Yoncalla 22
K40BL 40+ 1.44 OR Hugo 19
K40EG 40Z 1.13 OR Tillamook 72
K41DF 41Z 10.4 OR Eugene 71
K42DE 42Z 11.4 OR Medford 89
K43DI 43+ .035 OR Canyonvil 4
K43EJ 43- 1.13 OR Tillamook 72
K44DZ 44Z 10.5 OR KlamathF 89
K44DC 44- 0.22 OR CottageGr 6
K45ED 45Z 10.5 OR GrantsPas 3
K45CV 45Z 17.0 OR Corvallis 74
K46DR 46Z .753 CA Lakeport 74
K46DQ 46+ 1.29 CA Redding 88
K46CH 46+ .159 OR Gold Hill 20
KMTX 46Z 9.77 OR Roseburg 38
K47DV 47- 9.89 CA S Yreka 11
K47AV 47Z .845 OR CottageG 14
K48BS 48- 1.24 OR Glendale 12
K49CT 49- 3.05 CA Paradise 90
KPDx 49- 5000 WA Vancouver199
KFTY 50- 302 CA Sta Rosa 195
K65DJ 50+ 45.7 CA Redding 115

(To be continued)

EASTERN TV DX

March, 1999

Russell Miller
HC 61, Box 86B
N. Amity, ME 04471-9622
email address - estvdx@ainop.com

LOCAL TIME UNLESS OTHERWISE NOTED

Doug Smith, W9WI, Pleasant View, (Nashville), TN
EM66

Not much here, but it's something ...

January, 1999

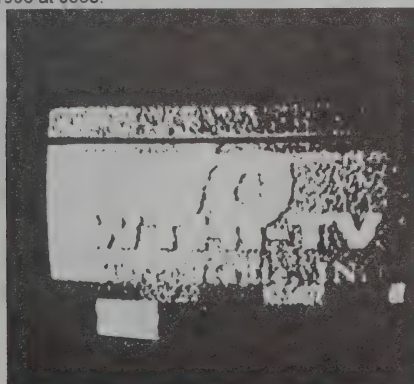
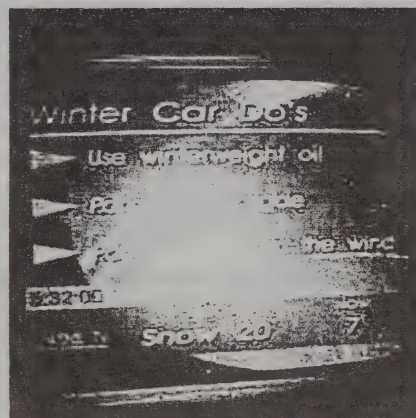
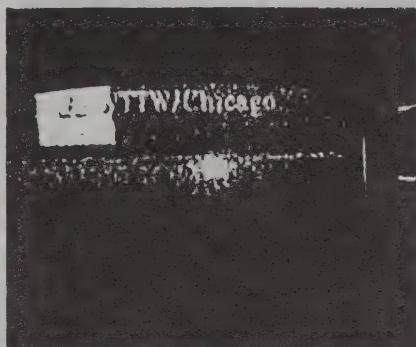
27 Tr	0730	WXXVt	25 MS	Fox	
		WMAWt	14 MS	PBS	
	2327	WLTZ	38 GA	NBC,	298
		local ads			
	2331	WCOV	20 AL	Fox	283
		local ads			

Russell Miller, HC61 Box 86B, N.Amity, ME 04471

January, 1999

11 Ms	0632	WSAZ	3 WV	New for MS
19 Es	0501	WCBD	2 SC	
	0529	WFMY	2 NC	
22 Es	2300	WTWO	2 IN	
	2317	WDTN	2 OH	
25 Es	1033	WJXT	4 FL	
	1039	WCBD	2 SC	

With extra space to fill in, I entered some high band meteor scatter photos. Starting with WTHI-TV, Terre Haute, IN, CH-10, caught Dec. 19, 1996 lasting 4/30ths of a sec. Next is WTTW, CH-11, Chicago, IL, caught Feb. 6, 1996 at 6:50 a.m., lasting 3/30ths of a sec. Third is a photo which does not do itself justice. This WBNS, CH-10, Columbus, OH, calls lower left, lasting 20 seconds out of a 45 second burst with other stations before and after WBNS. This was caught Jan. 4, 1996 at 5:32 a.m. And lastly and briefly is WHAS, CH-11, Louisville, KY, caught March 16, 1996 at 0558.





BULLSEYE!

If William Tell had lived in the early days of television he would probably have been a CBS fan. Their circular test patterns looked more like target practice bullseyes than any others in use. A great many (but not all) CBS affiliates used this type of pattern. While it may not have been as useful as others for alignment purposes it was definitely an eye catcher. Here's a display of how 6 different CBS stations used it. The hand-drawn art is courtesy of WTFDAer Robert J. Williams in Twin Falls, Idaho.

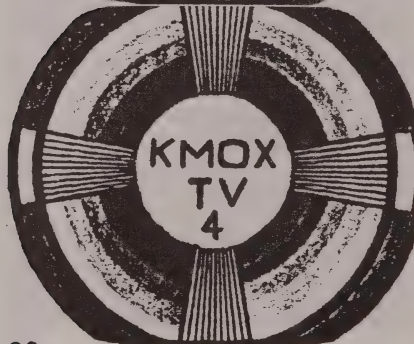
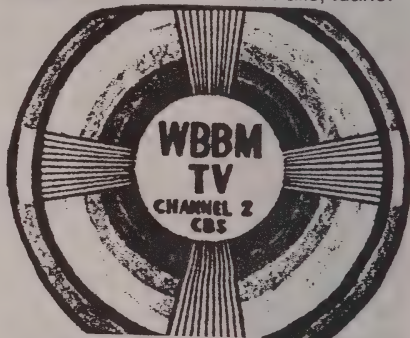


PHOTO-NEWS

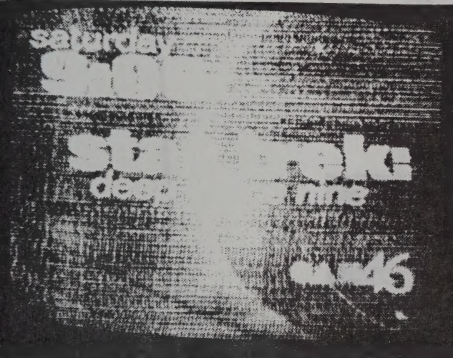
Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
JTKruszka@worldnet.att.net

March 1999

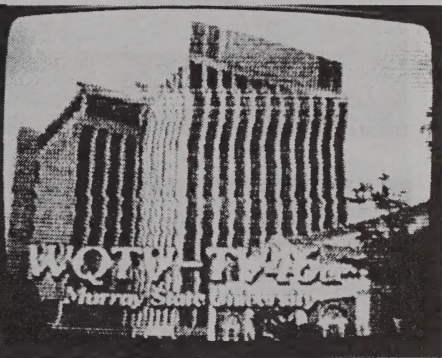
Here's some more photos from Jeff Kadet, Macomb, IL:

Equipment:

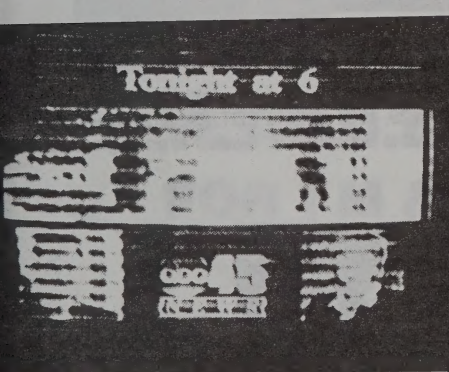
Icom R-7100 w/video adapter or Zenith 13" color TV. Screened
CM 7' UHF dish @85' w/UA-900 preamp, .500 hardline.



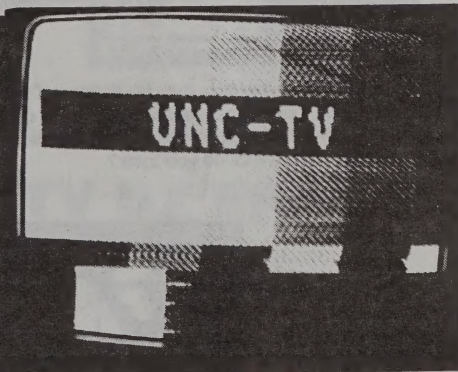
WJZY-46 Belmont, NC
640 mi Tr seen 8/21/98
@2329 CDT



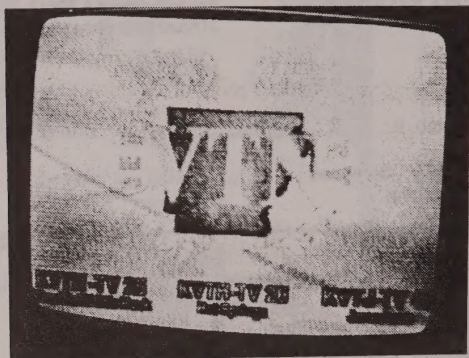
WQTV-LP-46 Murray, KY
294 mi Tr seen 8/27/98
@2258 CDT
"Murray St. University"



WXLV-45 Winston-Salem, NC
625 mi Tr seen 8/21/98
@0429 CDT



WUNL-26 Winston-Salem, NC
625 mi Tr seen 8/21/98
@0419 CDT

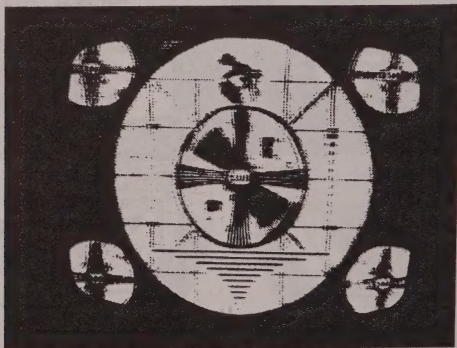


KVTJ-48 Jonesboro, AR
319 mi Tr seen 8/27/98
@1029 CDT



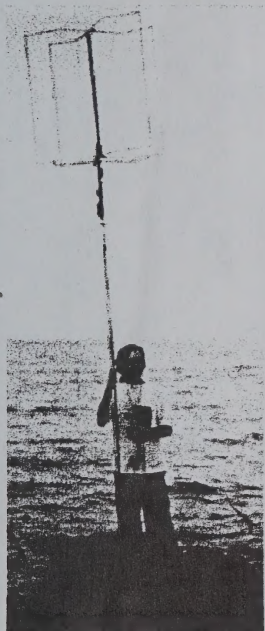
W63AH Maplewood area, OH
345 mi Tr seen 9/5/98
@0429 CDT

Now for a classic unid from dxer Bill Eckberg, Dixon, IL. This is the infamous "chicken head" (note the symbol at the top) test pattern observed by Bill on June 29, 1991 at 1418 CDT. Several Dxers believe that it is YSR-2 El Salvador, and that the "chicken head" is actually a "2" twisted at an angle (see May '98 VUD, p. 12). What do you think?



INTERNATIONAL DX!

Here's a couple of photos from Jorge Aloy in Argentina. At left is a photo of Jorge with his "Swiss (quad) loop" for FM DX. And at right is a photo of TV 2 Guaiba, Porto Alegre, Brazil (I assume via E-skip). I hope this will prompt some of our international dxers to send me some photos!



73's, *Jeff*



**W.T.F.D.A. -- THE CLUB
FOR FM & TV DX'ERS!!!**





WORLDWIDE TV-FM DX ASSOCIATION
PO BOX 501 - SOMERSVILLE, CT 06072



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140
C2
44
C2
44
11
C2
C2
C2
44